

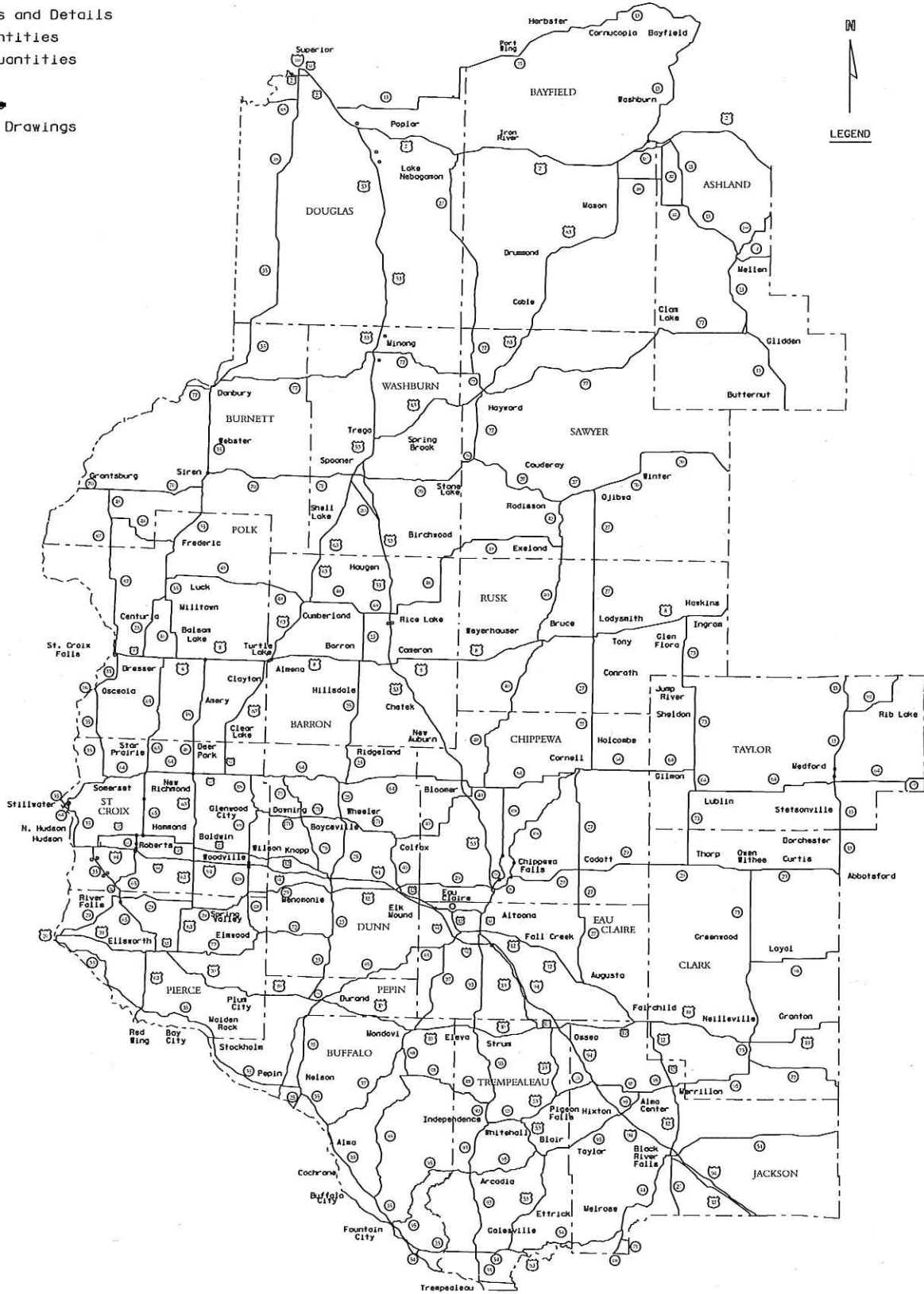
ORDER OF SHEETS

- Section No. 1 Title
- Section No. 2 Typical Sections and Details
- Section No. 3 Estimate of Quantities
- Section No. 3 Miscellaneous Quantities

- Section No. 5 Plan and Profile
- Section No. 6 Standard Detail Drawings

TOTAL SHEETS = 70

32

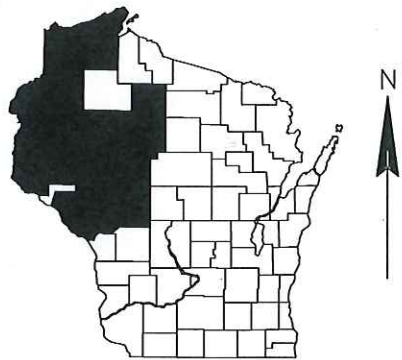


STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NW REGION, PAVEMENT MARKING 2021  
VARIOUS HIGHWAYS, NW REGION WIDE  
VARIOUS HIGHWAYS  
VARIOUS COUNTIES

STATE PROJECT NUMBER  
1000-18-21



COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY  
COORDINATE SYSTEM (WCCS).  
NOT TO SCALE

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-18-21	WISC 2021099	1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	N/A
Designer	JEANNIE SILVER
Project Manager	
District Examiner	JENNIFER OLDENBERG
District Supervisor	DAVID KOEPP, P.E.
C.O. Examiner	
APPROVED FOR DISTRICT OFFICE	
DATE: 11/10/2020	(Signature)

GENERAL NOTES

1) THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

TRAFFIC CONTROL RESTRICTIONS FOR TIME ARE INCLUDED, STARTING WITH SHEET 02500L1c.

MAP REFERENCE NUMBERS LOCATE: LONG LINE MARKING, SPECIAL MARKING AND NO PASSING ZONES. CHANGES IN DIFFERENT COUNTIES ON MAPS IN THE NORTHWEST REGION. COORSPONDING QUANTITIES ARE ARE LOCATED ON MISCELLANEOUS SHEETS.

LEGEND

- LONG LINE MARKING
- ★ SPECIAL MARKING
- NO PASSING ZONE REMOVAL



WISDOT CONTACTS

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DESIGN  
(608)246-5408  
jeannie.silver@dot.wi.gov

JEFF EMERSON  
SUPERVISOR  
(715)225-9435  
jeffrey.emerson@dot.wi.gov

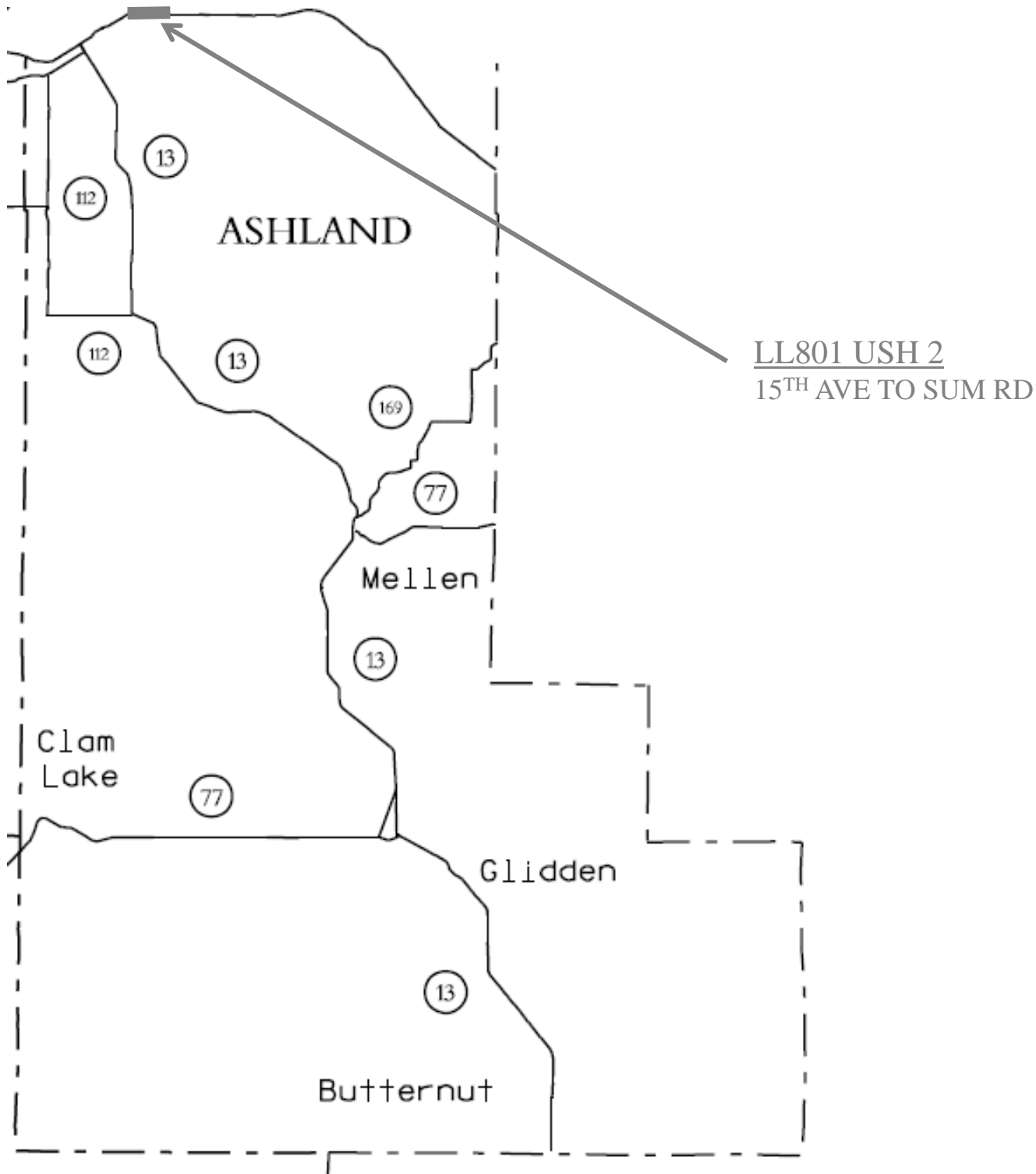
WI DNR – LIASION

SHAWN HASELEU  
(715)635-4228

RAILROAD

ANNA DAVEY  
(715)392-7960  
anna.davey@dot.wi.gov

**ASHLAND COUNTY**



**BUFFALO COUNTY**

LL603 STH 35  
STH 25 to 325' West of Intersection of STH 25

LL602 STH 25  
RXR TRACKS/STH 35 SOUTH TO STH 35  
DO NOT PAINT RAMPS TO STH 25 WITH STH 35 WEST

LL601 STH 25  
WI/MN STATE LINE TO RXR TRACKS/STH 35

LL604 STH 35  
REICKS BRIDGE/1500' NORTH OF STH 37 TO STH 25

LL605 STH 88  
STH 35 TO 320' NORTH OF CTH U

R10 STH 37  
555' NORTH OF WASHINGTON ST

R3 USH 10  
190' EAST OF MEMORIAL DR

R4 USH 10  
JOEL ST

R1 USH 10  
275' EAST OF CTH A

R2 USH 10  
829' EAST OF CTH A

R7 STH 35  
1160' NORTH OF WAUMANDEE RD

R6 STH 35  
50' NORTH OF WAUMANDEE RD

R9 STH 35  
CONRAD ST

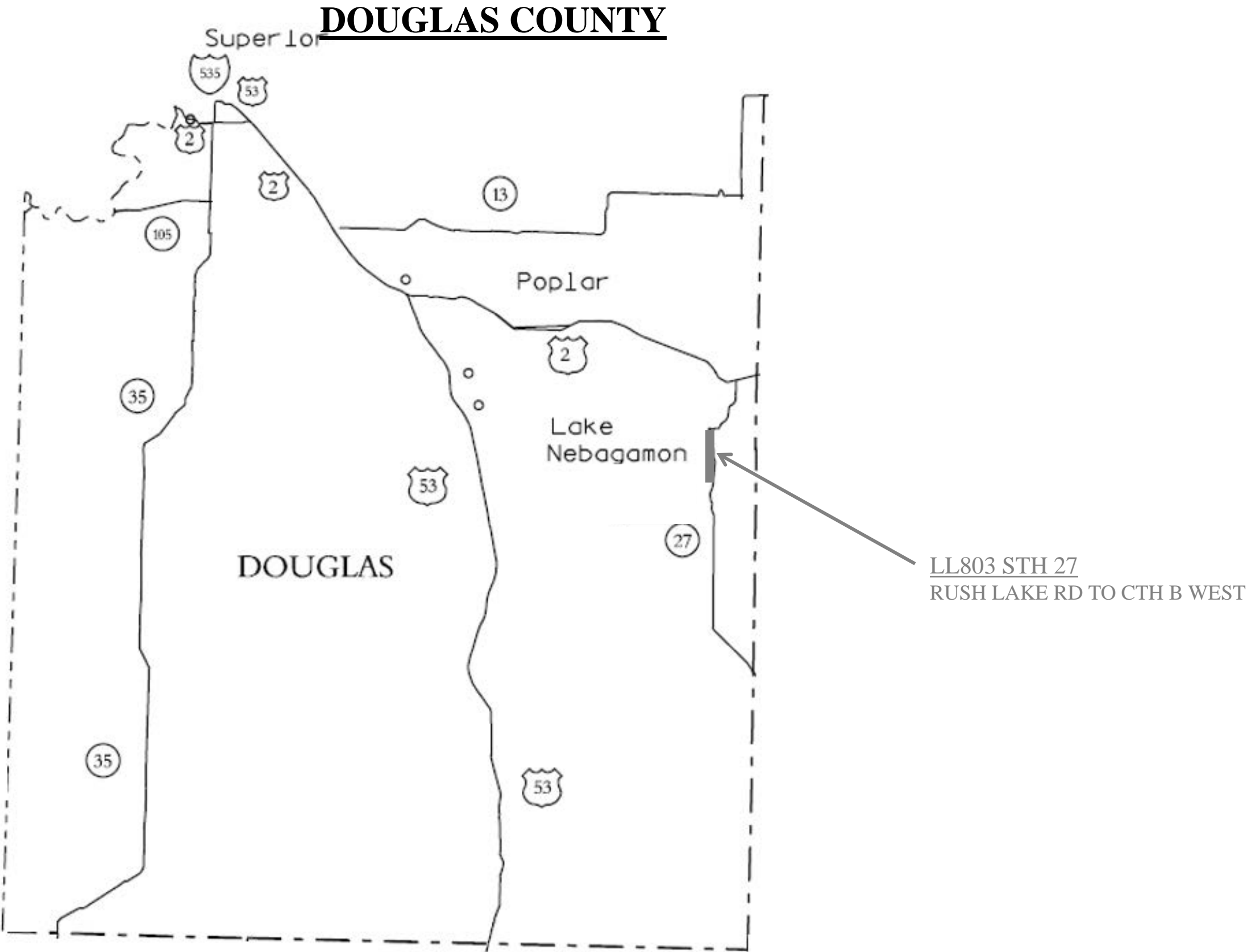
R8 STH 35  
INDIAN CREEK RD

R5 STH 35  
5140' NORTH OF STH 95

2

3

2



**DUNN COUNTY**

2

2

SM28 STH 79 @ 170  
RXR CROSSING/STOPBAR

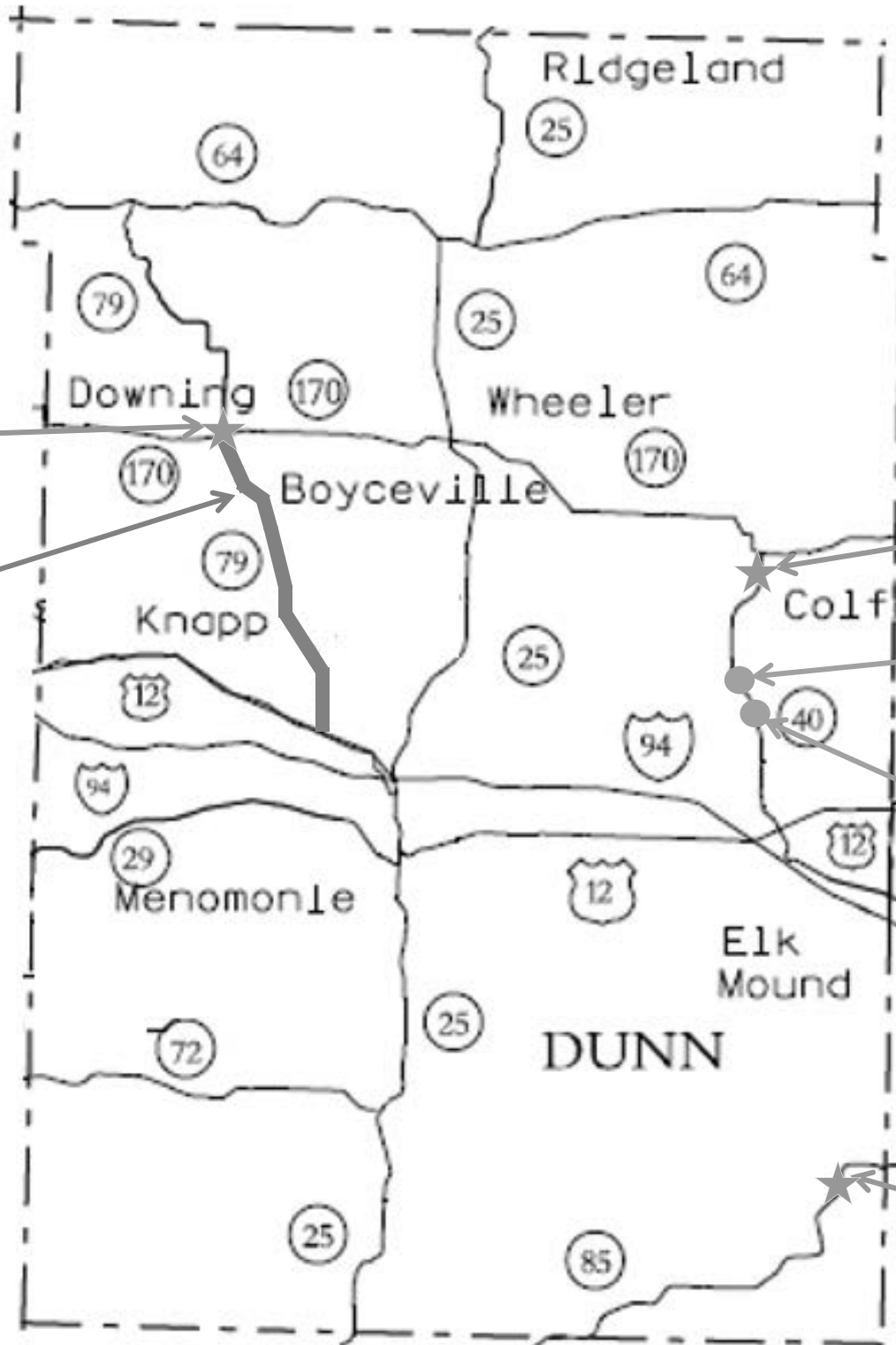
LL607 STH 79  
USH 12 TO STH 170

SM11 STH 40 @ RAILROAD AVE  
RXR CROSSING

R35-STH 40  
4225' SOUTH OF CTH B

R34-STH 40  
1000' SOUTH OF 730<sup>TH</sup> AVE/GOLF VIEW RD

SM16 STH 85 @ CTH H  
ARROW/ONLY/MEDIAN



# EAU CLAIRE COUNTY

2

SM89 STH 93 @ HASTINGS WAY  
STOPBAR/ARROWS/WORDS

SM65 STH 93 @ HAMILTON AVE  
STOPBAR/ARROWS

SM69 STH 93 @ BRAIN ST  
STOPBAR/ARROWS

SM68 STH 93 @ DAMON ST  
STOPBAR/ARROWS

SM71 STH 93 @ GOLF RD  
STOPBAR/ARROWS/MEDIAN

SM61&62 STH 93 @ IH94  
STOPBARS/MEDIANS

SM60 STH 93 @ LORCH AVE  
STOPBARS/MEDIANS

SM46 USH12 @ USH 53 EXIT 87  
ARROWS/ONLYS/STOPBARS/MEDIANS

LL608 STH 93  
LORCH AVE TO USH 53 NB  
INCLUDE RAMPS AT USH 53 AND HASTING WAY

LL609 USH 12  
25' EAST OF FREEDOM ST  
TO 200' EAST OF PLUM ST

LL610 USH 12  
Kempton Rd to USH 10 (JACKSON CO)

2

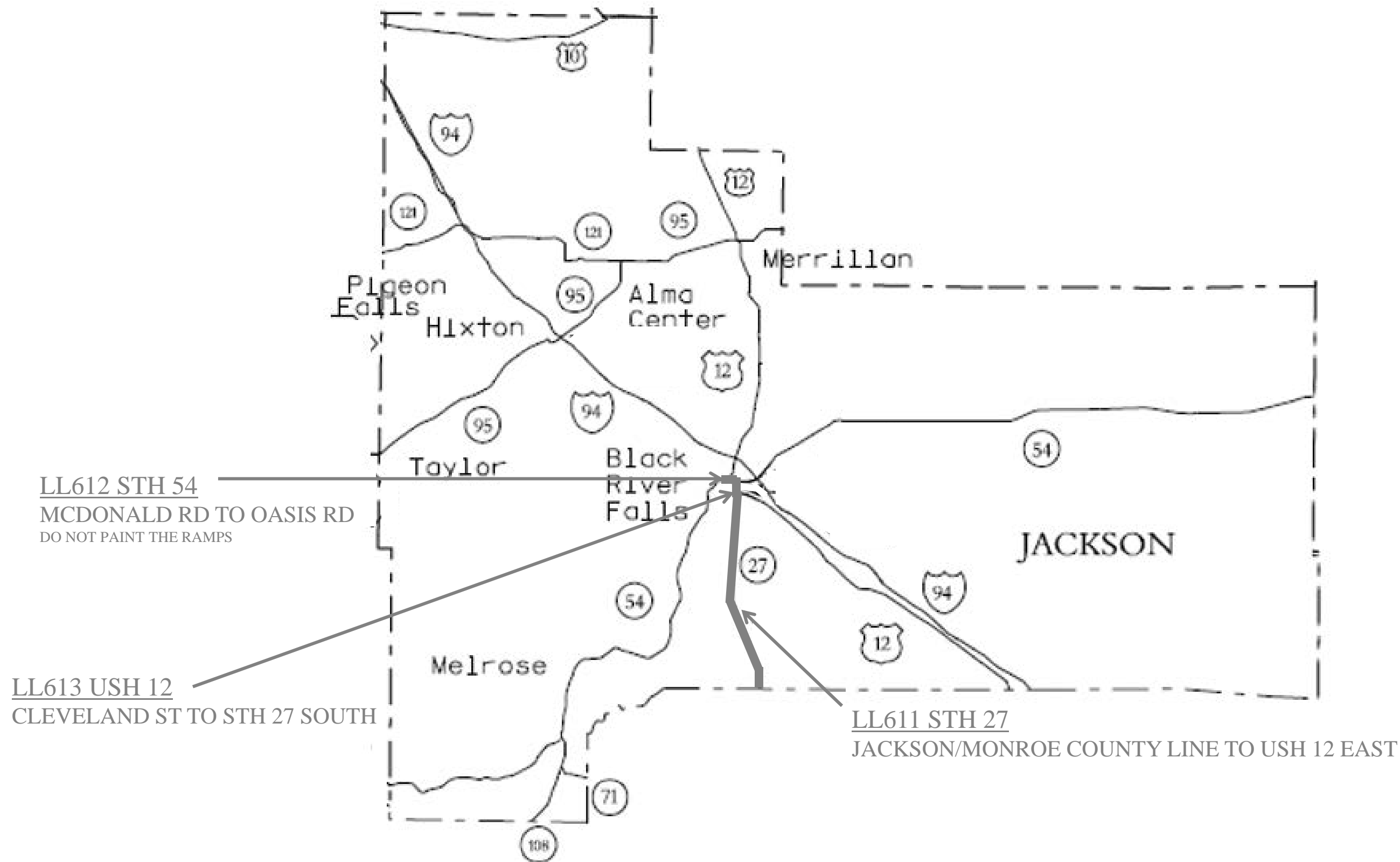




# JACKSON COUNTY

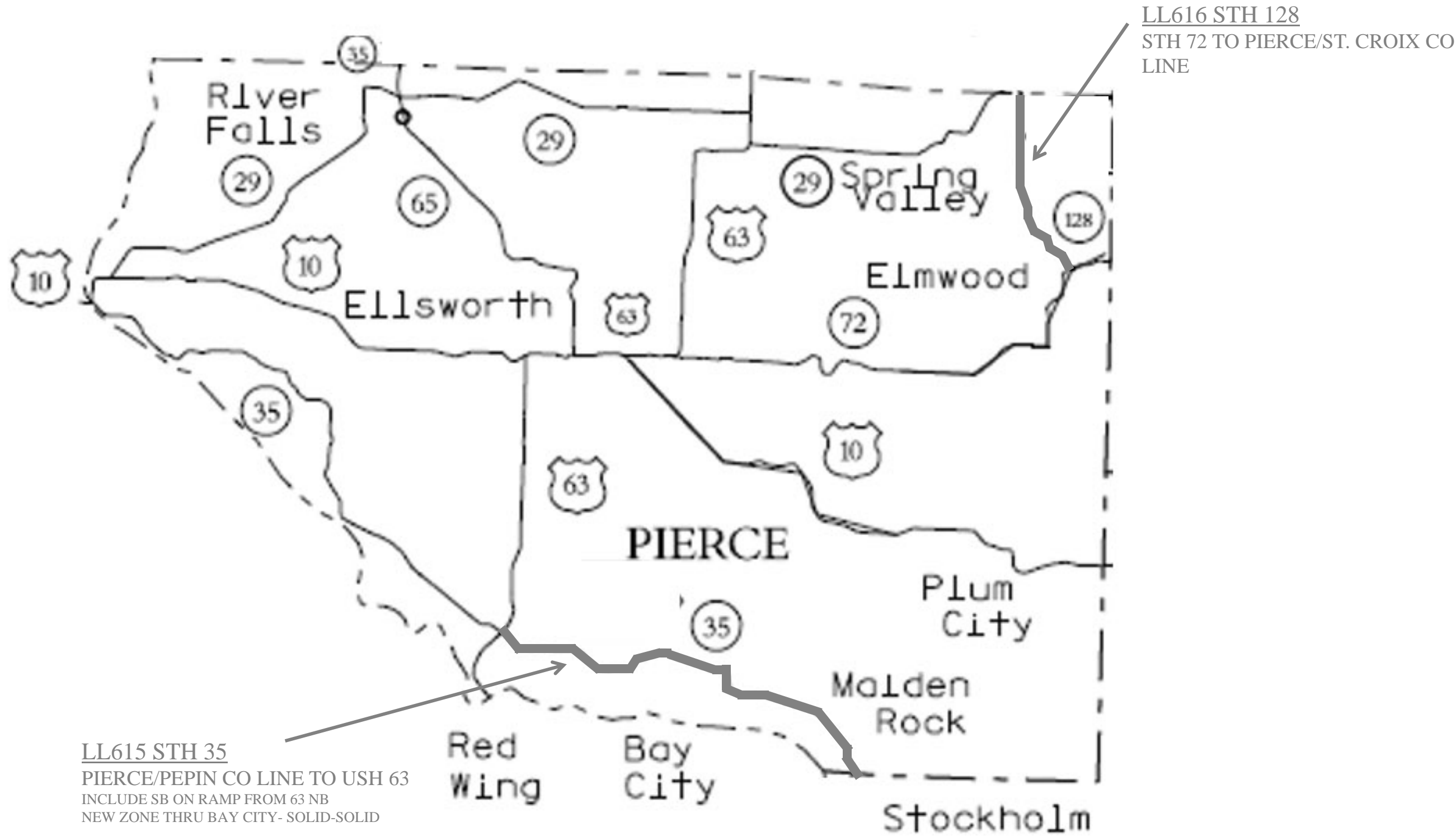
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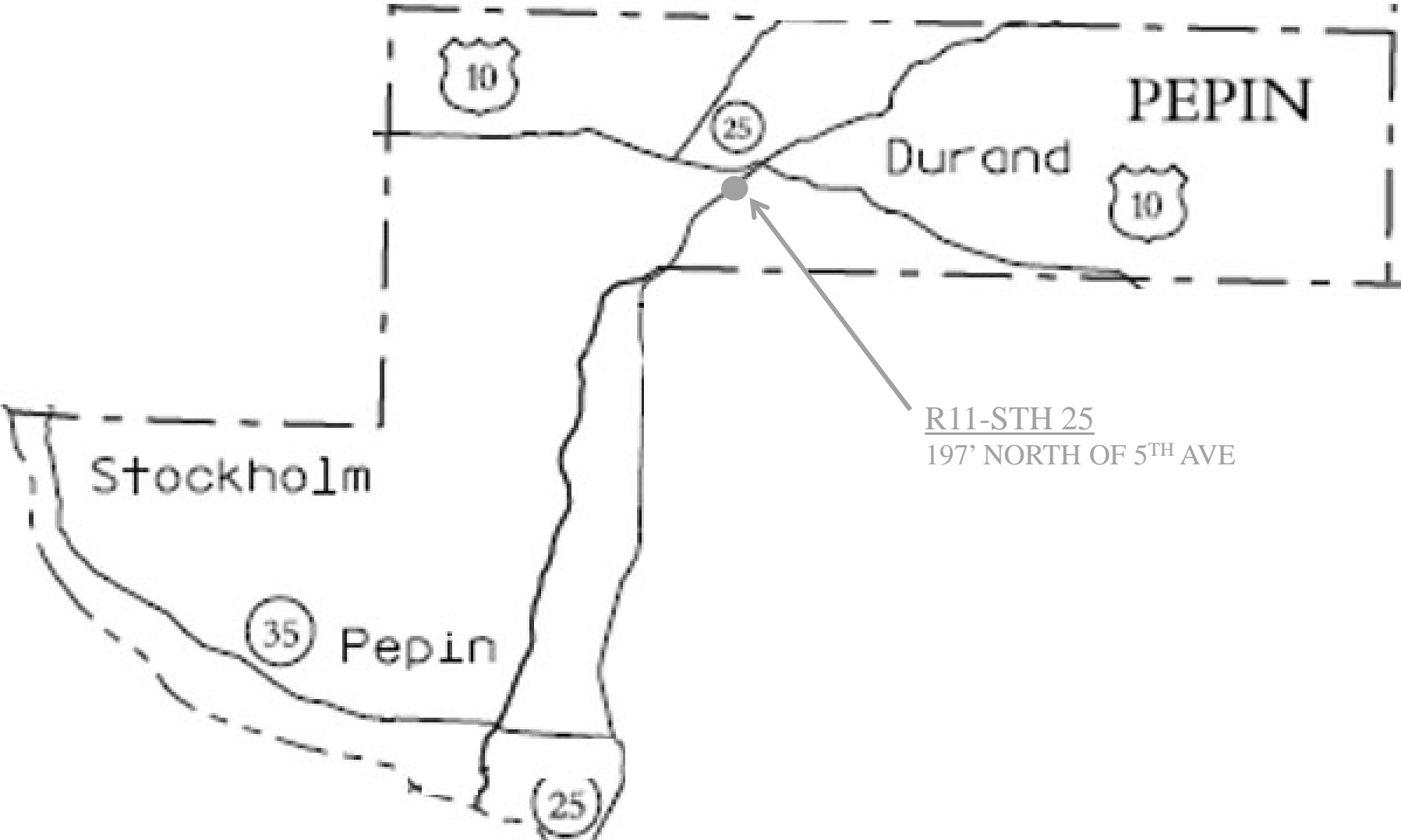




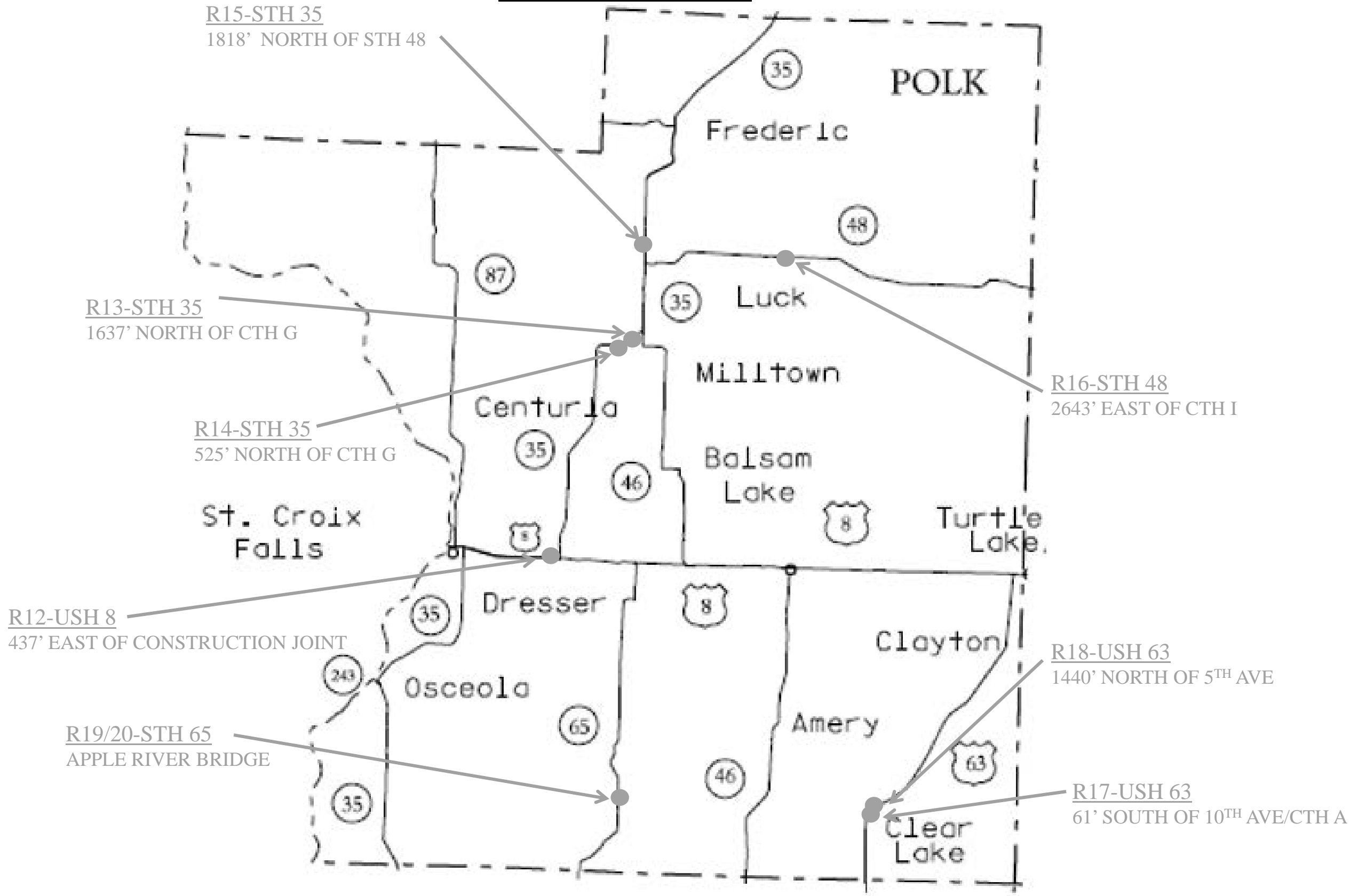
PIERCE COUNTY



PEPIN COUNTY



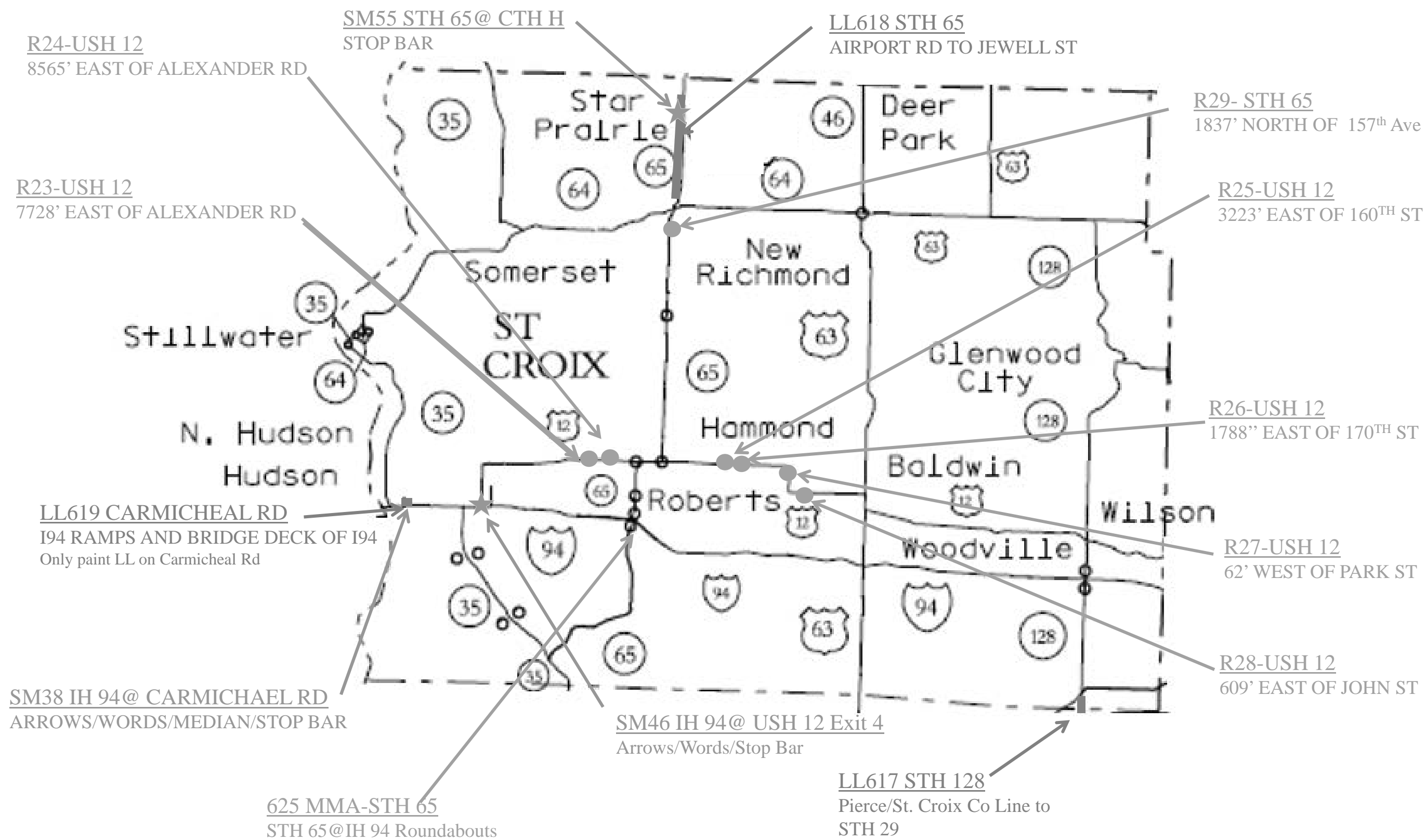
**POLK COUNTY**



**ST. CROIX COUNTY**

2

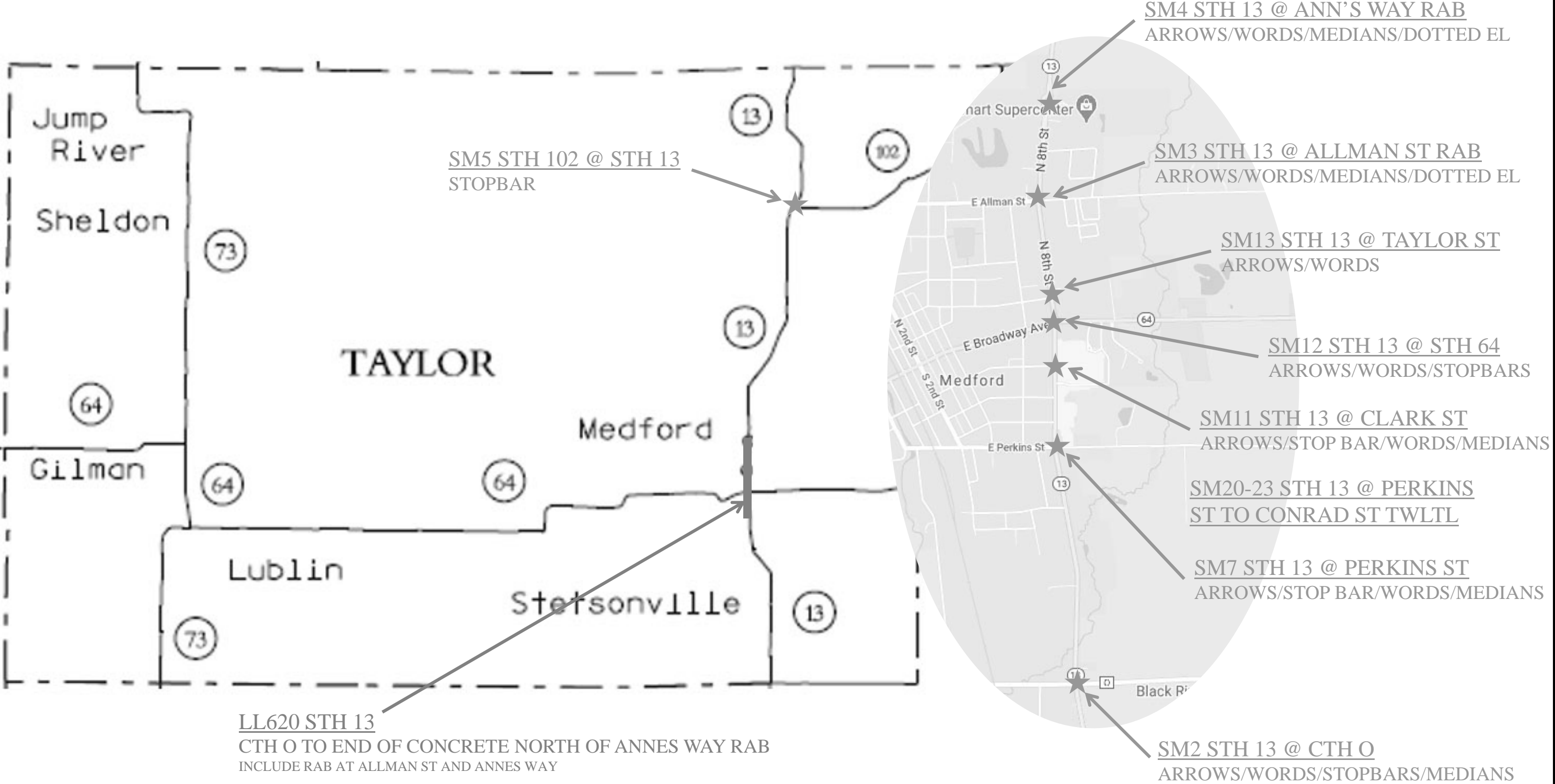
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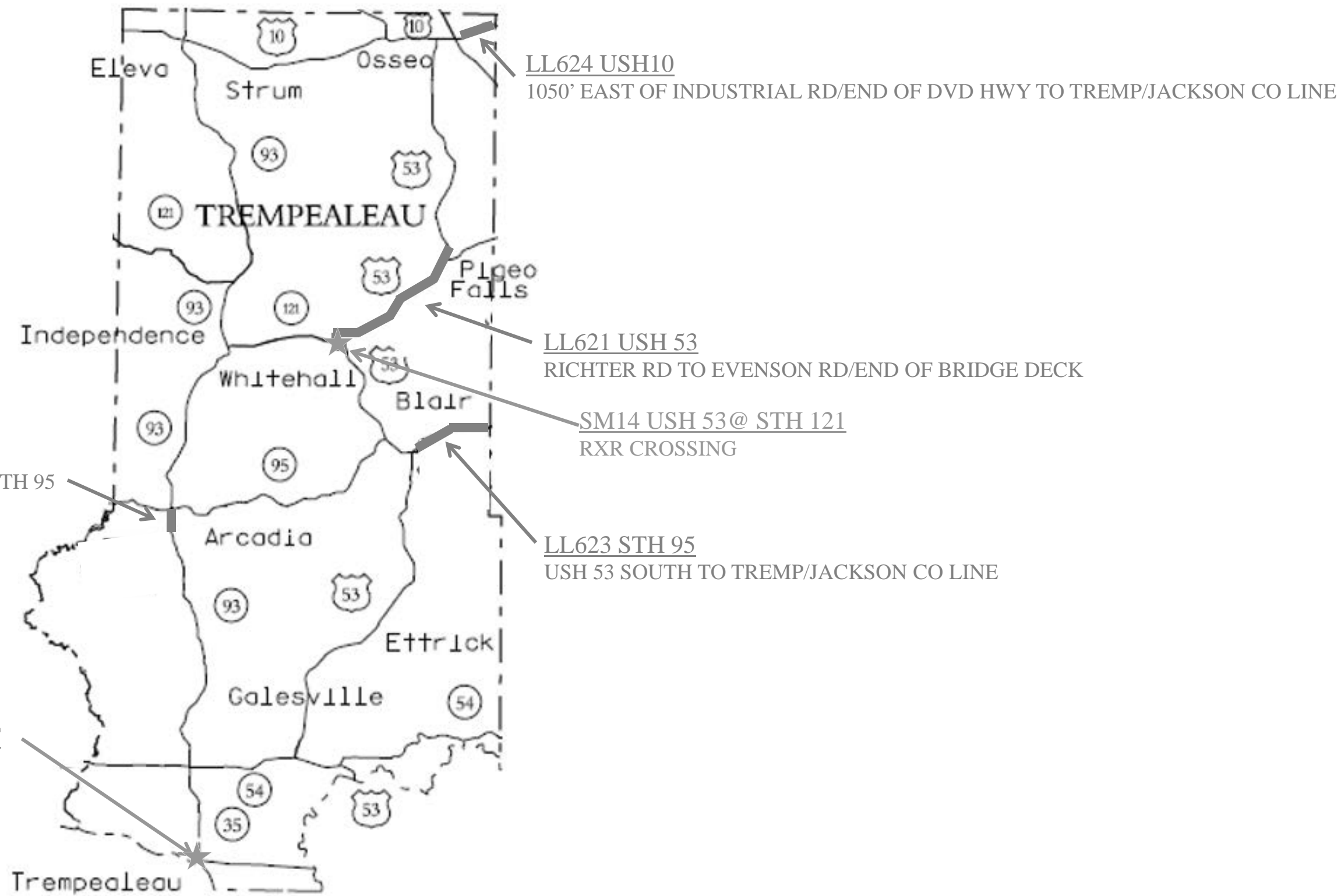
**TAYLOR COUNTY**

2

2

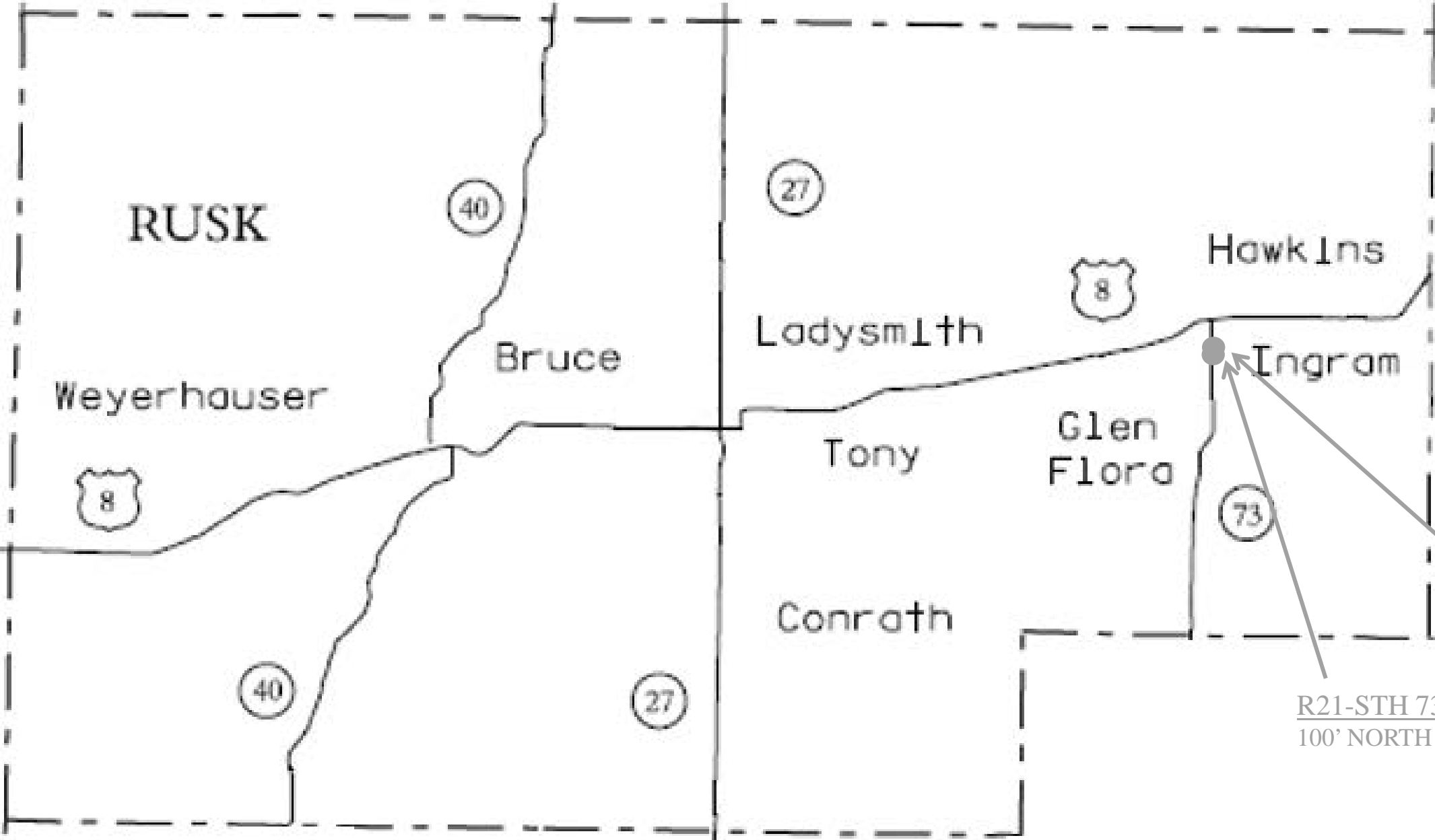


# TREMPEALEAU COUNTY



**RUSK County**

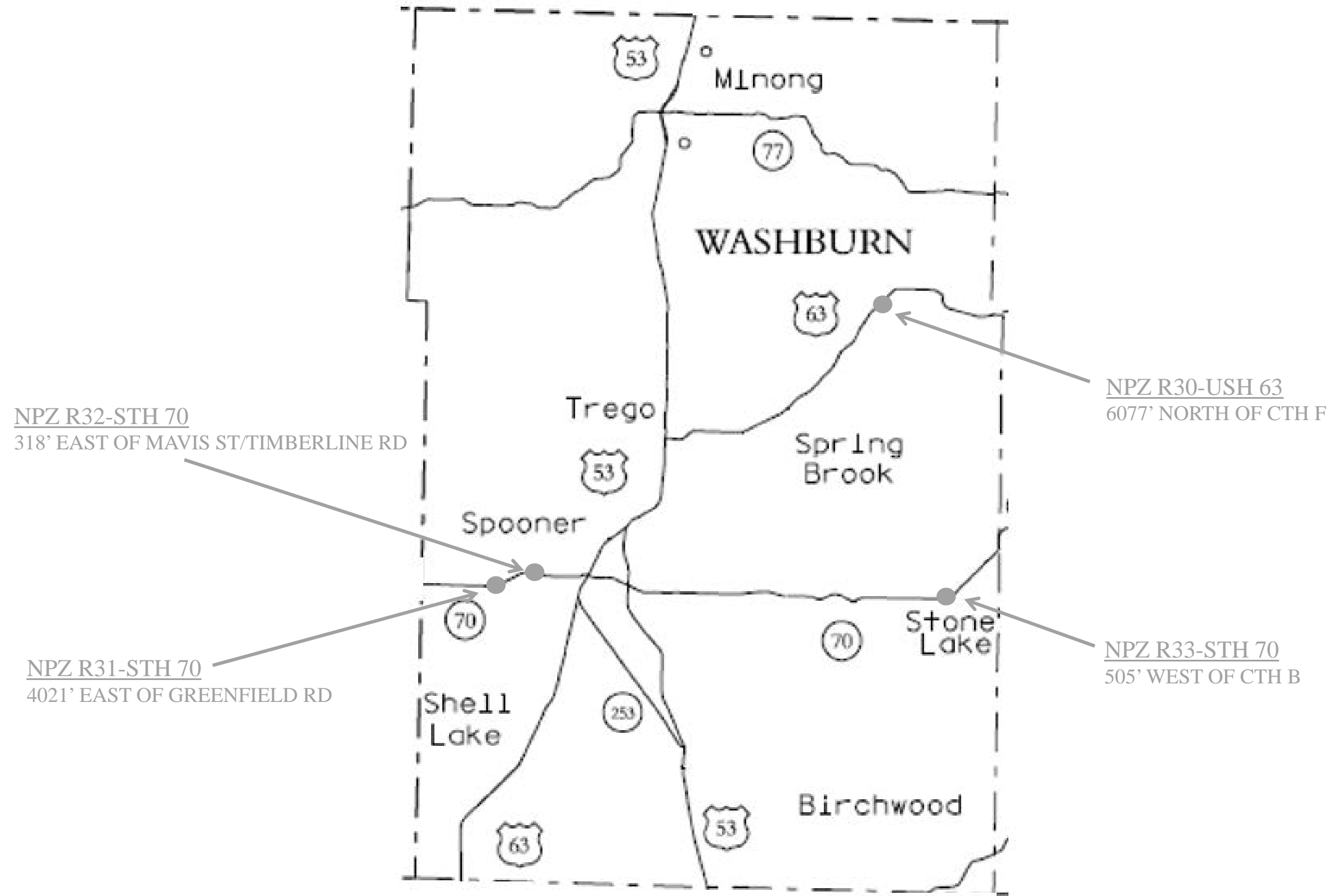
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2



WASHBURN COUNTY



Long Line Work Times / Traffic Control

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	Painting Allowed Monday thru Friday 9 AM - 3 PM	Painting Allowed Sunday thru Thursday 9 PM - 5 AM	Painting Allowed Sunday thru Thursday 11 PM - 5 AM
801	1.8	Ashland	USH 2	15th Ave E / Ashland	Sum Rd / End of Concrete / Ashland	X	X	----
608	2.4	Eau Claire	STH 93	Lorch Ave / Eau Claire	USH 53 NB	----	X	----
611	0.5	Jackson	STH 54	McDonald Rd / Black River Falls	Oasis Rd / Black River Falls	X	----	----
612	0.3	Jackson	USH 12	Cleveland St / Black River Falls	STH 27 South / Black River Falls	X	----	----
618	0.1	St Croix	Carmicheal Rd	I 94 EB On & Off Ramp (Bridge deck over I 94)	I 94 WB On & Off Ramp	----	----	X
620	2.7	Taylor	STH 13	CTH O / Medford	End of Concrete North of Anne's Way RAB / Medford	----	X	----
621	0.6	Trempealeau	STH 93	Detloff Dr & Blascko Ave / Arcadia	STH 95 / Arcadia	----	X	----
625	0.3	St Croix	STH 65	Start of South RAB Entrance Lane / EB I-94 On Ramp	End of North RAB Exit Lane / WB I-94 Off Ramp	----	----	x

\*No Retrictions unless otherwise noted above

Special Marking Work Times / Traffic Control

COUNTY & MAP REF#	HIGHWAY	MAP REFERENCE SITE ID	Painting Allowed Monday thru Friday 9 AM - 3 PM	Painting Allowed Sunday thru Thursday 9 PM - 5 AM	Painting Allowed Sunday thru Thursday 11 PM - 5 AM
Eau Claire 46A&B	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	----	X	----
Eau Claire 46C&D	53	USH 12 - Clairemont Ave - Eau Claire - Exit 87	----	X	----
Eau Claire 60A&B	93	Lorch Ave - S of Eau Claire	----	X	----
Eau Claire 61A&B	93	I-94 EB Exit 68 - S of Eau Claire	----	X	----
Eau Claire 62A&B	93	I-94 WB Exit 68 - S of Eau Claire	----	X	----
Eau Claire 65A&B	93	Hamilton Ave - Eau Claire	----	X	----
Eau Claire 68A&B	93	Damon St - Eau Claire	----	X	----
Eau Claire 69A&B	93	Brian St - Eau Claire	----	X	----
Eau Claire 71A&B	93	Golf Rd - Eau Claire	----	X	----
Eau Claire 89A	93	SB Business 53 - SB Hastings Way (On Ramp)	----	X	----
Taylor 02	13	CTH O - S of Medford	X	X	----
Taylor 03A&B	13	Allman St RAB - Medford	----	X	----
Taylor 03B	13	Allman St RAB - Medford	----	X	----
Taylor 03C&D	Allman St	STH 13 RAB - Medford	----	X	----
Taylor 04A&B	13	Ann's Way RAB - Medford	----	X	----
Taylor 04C&D	Ann's Way	STH 13 RAB - Medford	----	X	----
Taylor 05	102	STH 13 - South of Rib Lake	X	X	----
Taylor 07A&B	13	Perkins St - Medford	X	X	----
Taylor 11A&B	13	Clark St - Medford	X	X	----
Taylor 12A&B	13	STH 64 - Medford	X	X	----
Taylor 12C&D	64	STH 13 - Medford	X	X	----
Taylor 13	13	Taylor St - Medford	X	X	----
Taylor 20	13	Medford City Limits - 1850' South of Conrad St	X	X	----
Taylor 21	13	Conrad St - Medford	X	X	----
Taylor 22	13	Two Lane to Three Lane - North End - Medford	X	X	----
Taylor 23A&B	13	Impala Dr - Medford	X	X	----
St Croix 38B	94	Carmichael Rd - Hudson - Exit 2	----	----	X
St Croix 46A&B	94	USH 12 - Exit 4	----	----	X
St Croix 55	65	CTH H - Star Prairie	----	----	----

\*No restrictions unless noted above

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET DISTANCE TO EXISTING SIGNS.

"WO" IS THE SAME AS "W" EXCEPT BACKGROUND IS ORANGE.

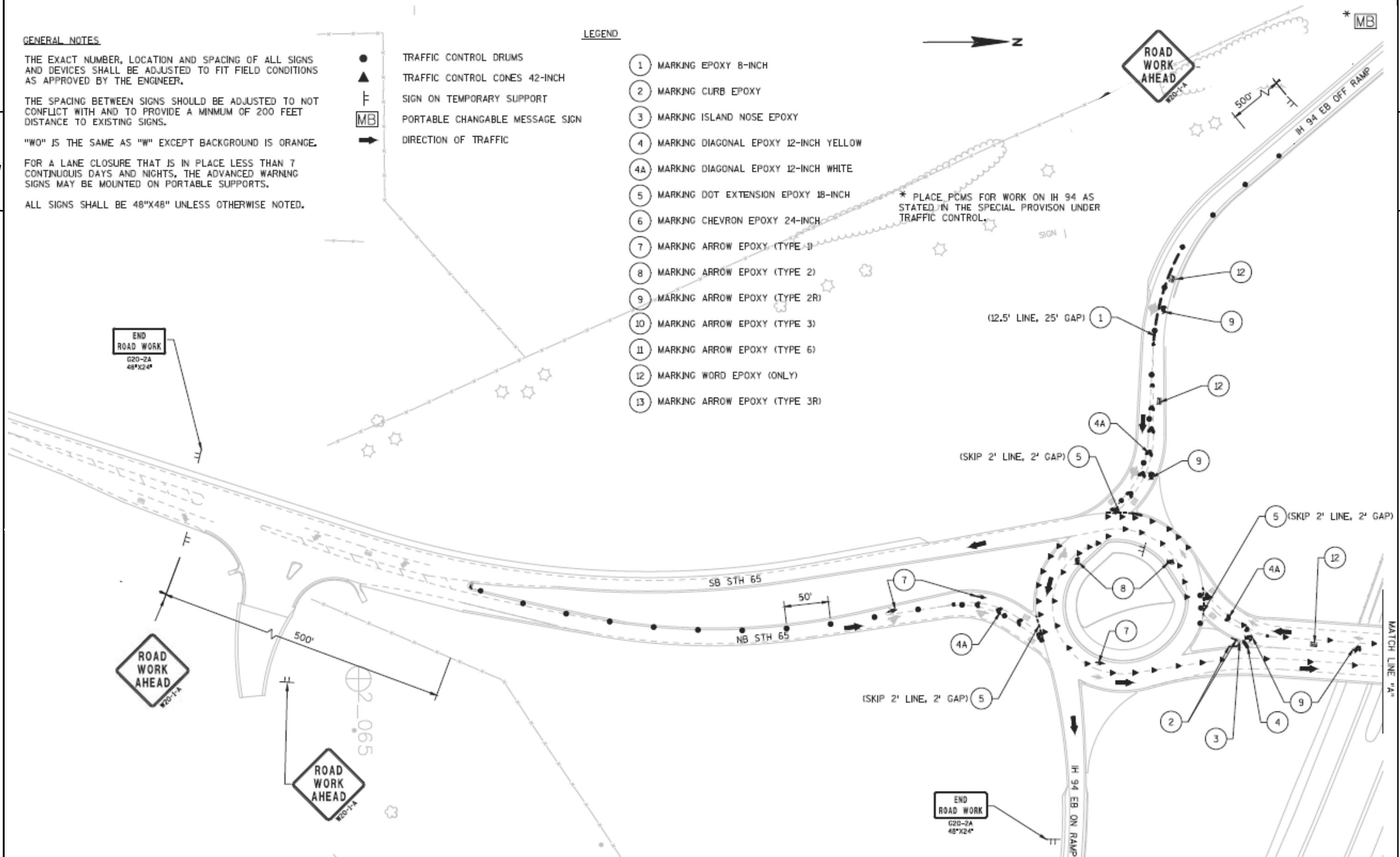
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

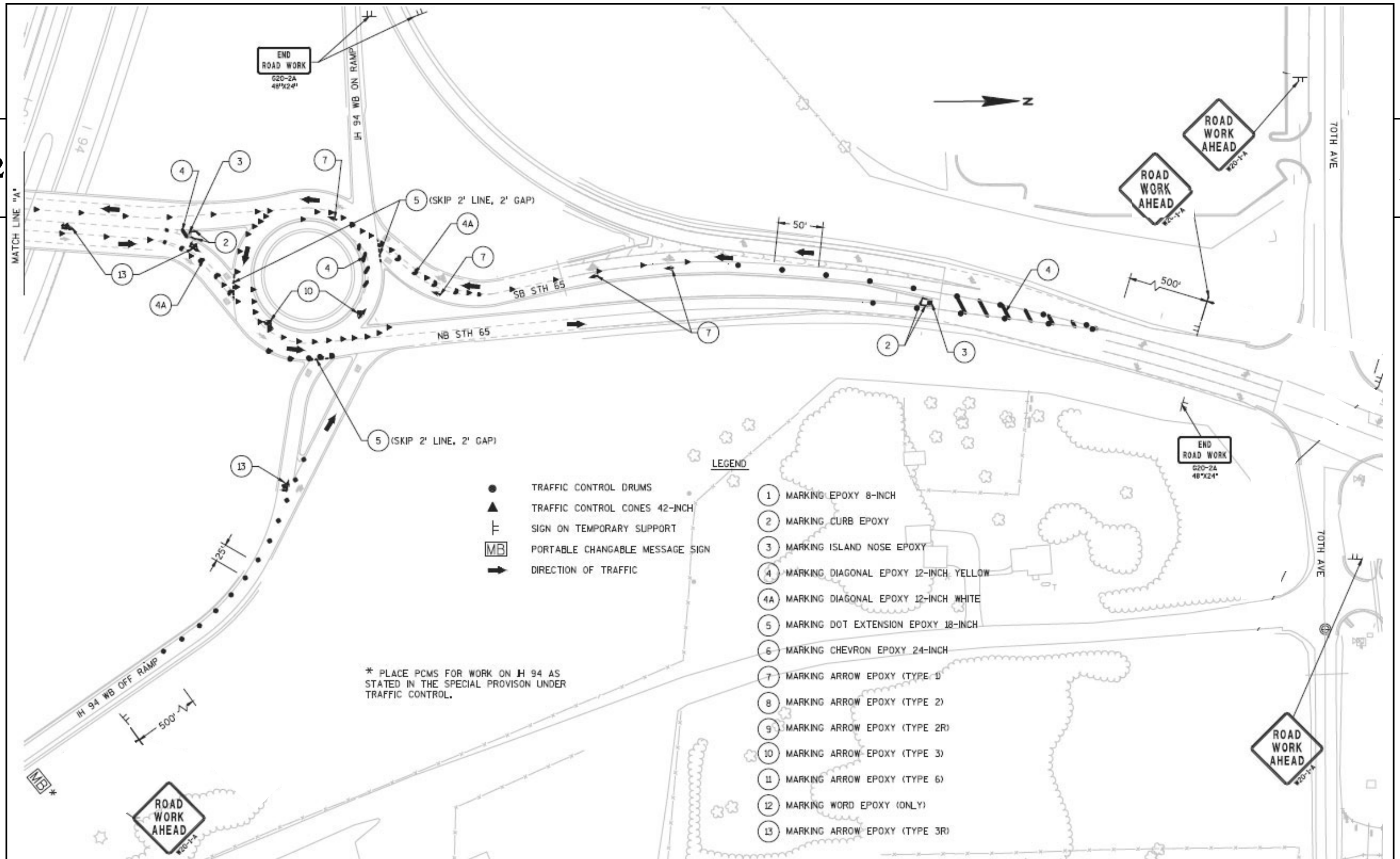
ALL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED.

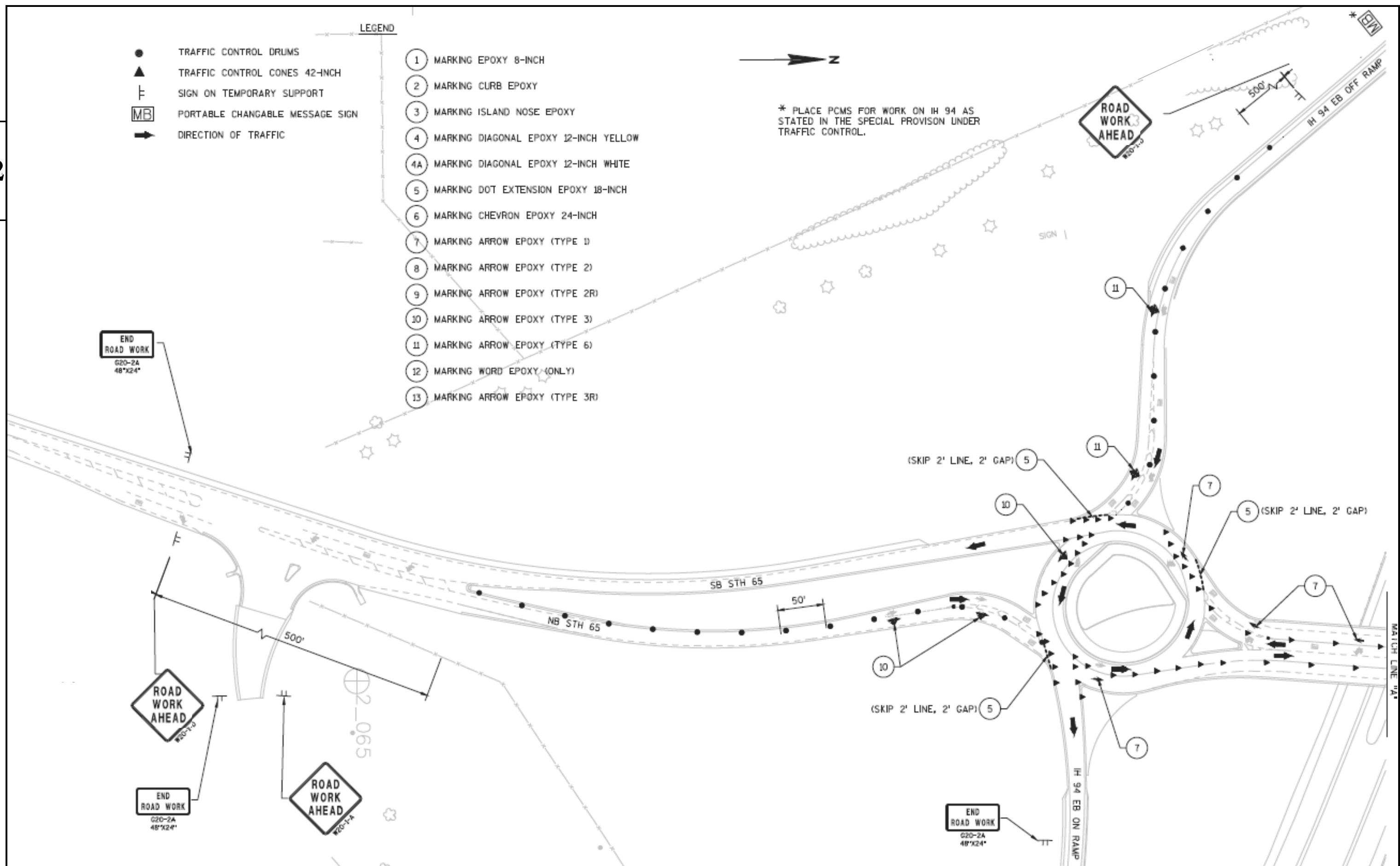
LEGEND

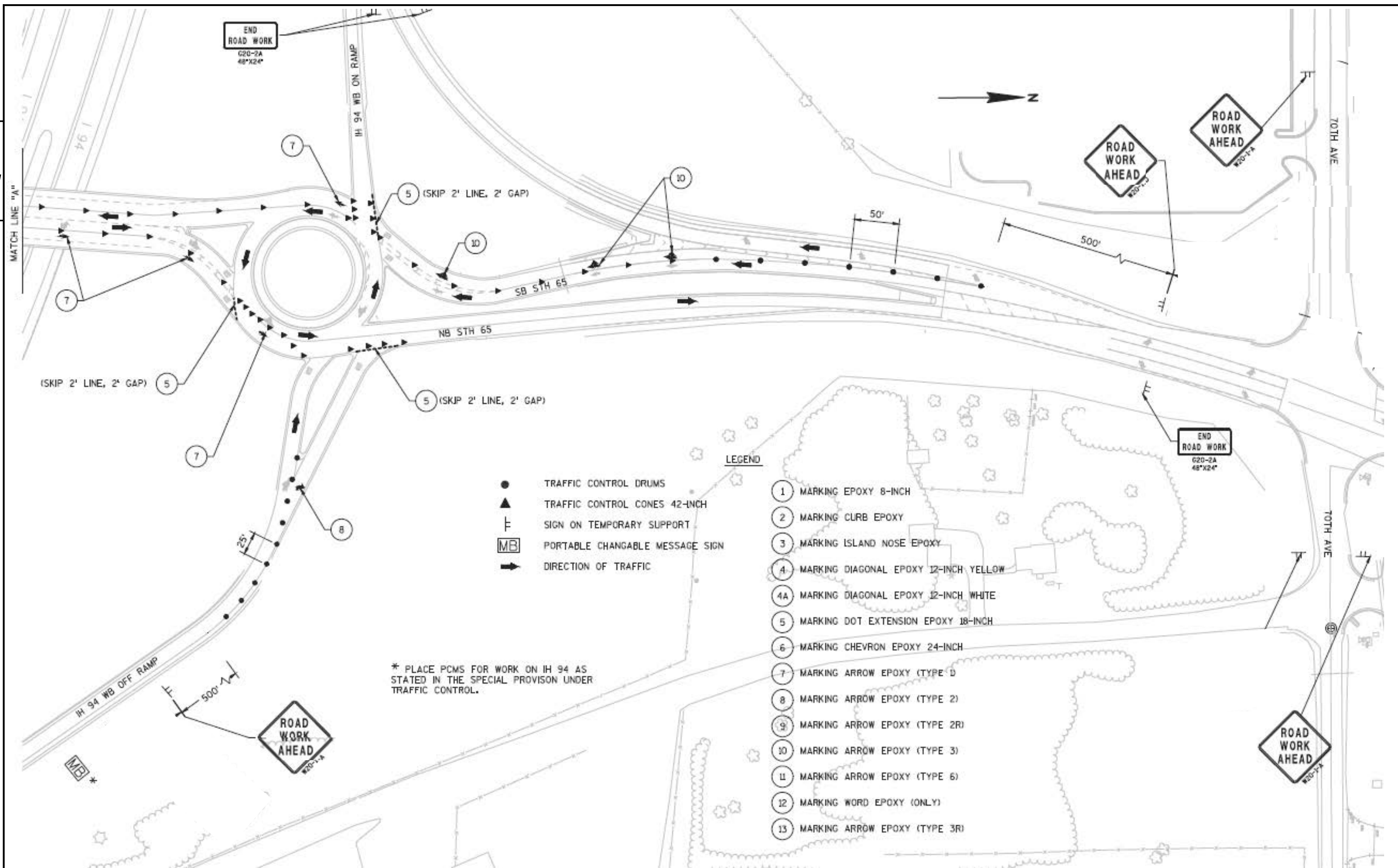
- TRAFFIC CONTROL DRUMS
- ▲ TRAFFIC CONTROL CONES 42-INCH
- ⊥ SIGN ON TEMPORARY SUPPORT
- MB PORTABLE CHANGABLE MESSAGE SIGN
- ➔ DIRECTION OF TRAFFIC

- 1 MARKING EPOXY 8-INCH
- 2 MARKING CURB EPOXY
- 3 MARKING ISLAND NOSE EPOXY
- 4 MARKING DIAGONAL EPOXY 12-INCH YELLOW
- 4A MARKING DIAGONAL EPOXY 12-INCH WHITE
- 5 MARKING DOT EXTENSION EPOXY 18-INCH
- 6 MARKING CHEVRON EPOXY 24-INCH
- 7 MARKING ARROW EPOXY (TYPE 1)
- 8 MARKING ARROW EPOXY (TYPE 2)
- 9 MARKING ARROW EPOXY (TYPE 2R)
- 10 MARKING ARROW EPOXY (TYPE 3)
- 11 MARKING ARROW EPOXY (TYPE 6)
- 12 MARKING WORD EPOXY (ONLY)
- 13 MARKING ARROW EPOXY (TYPE 3R)

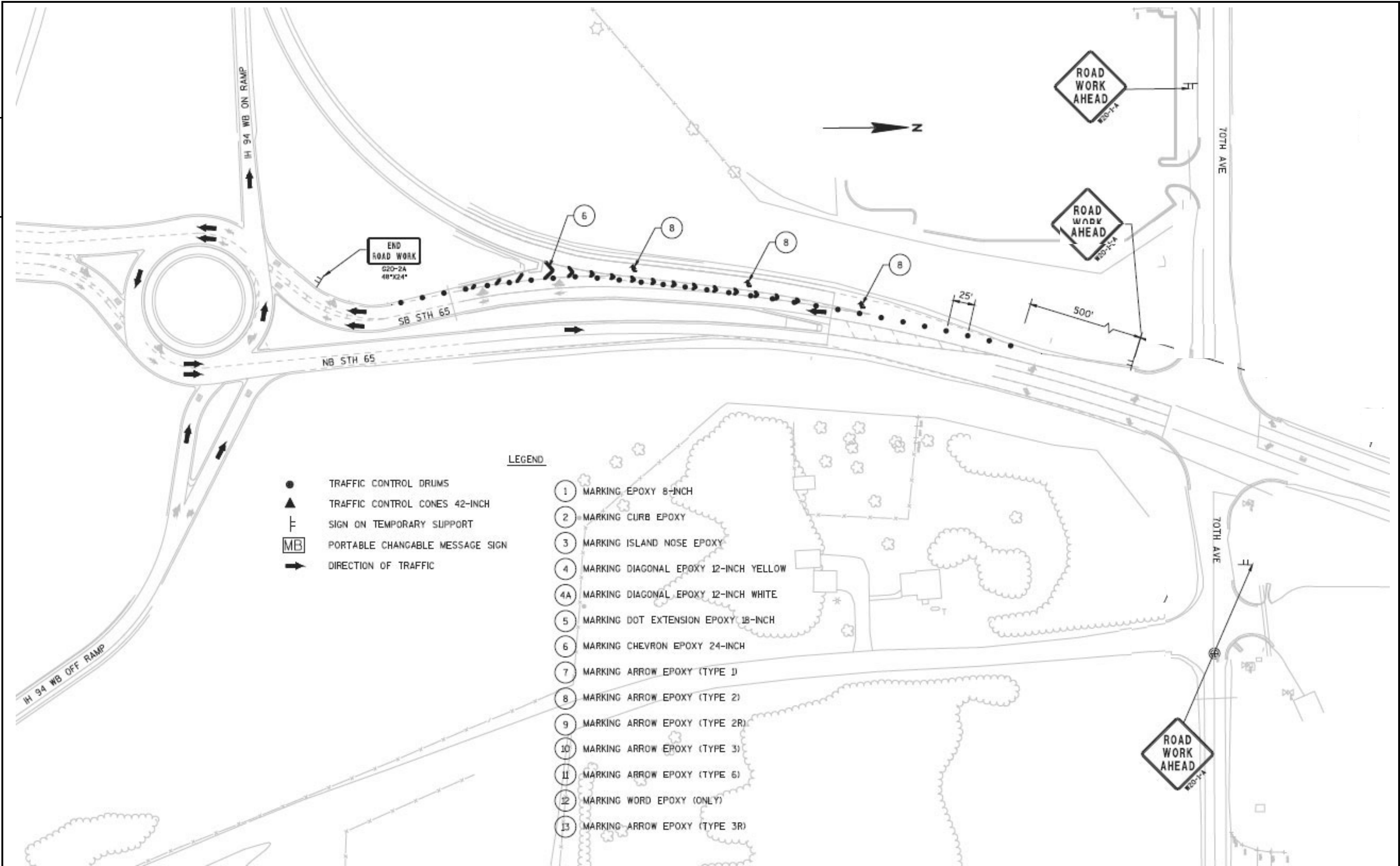






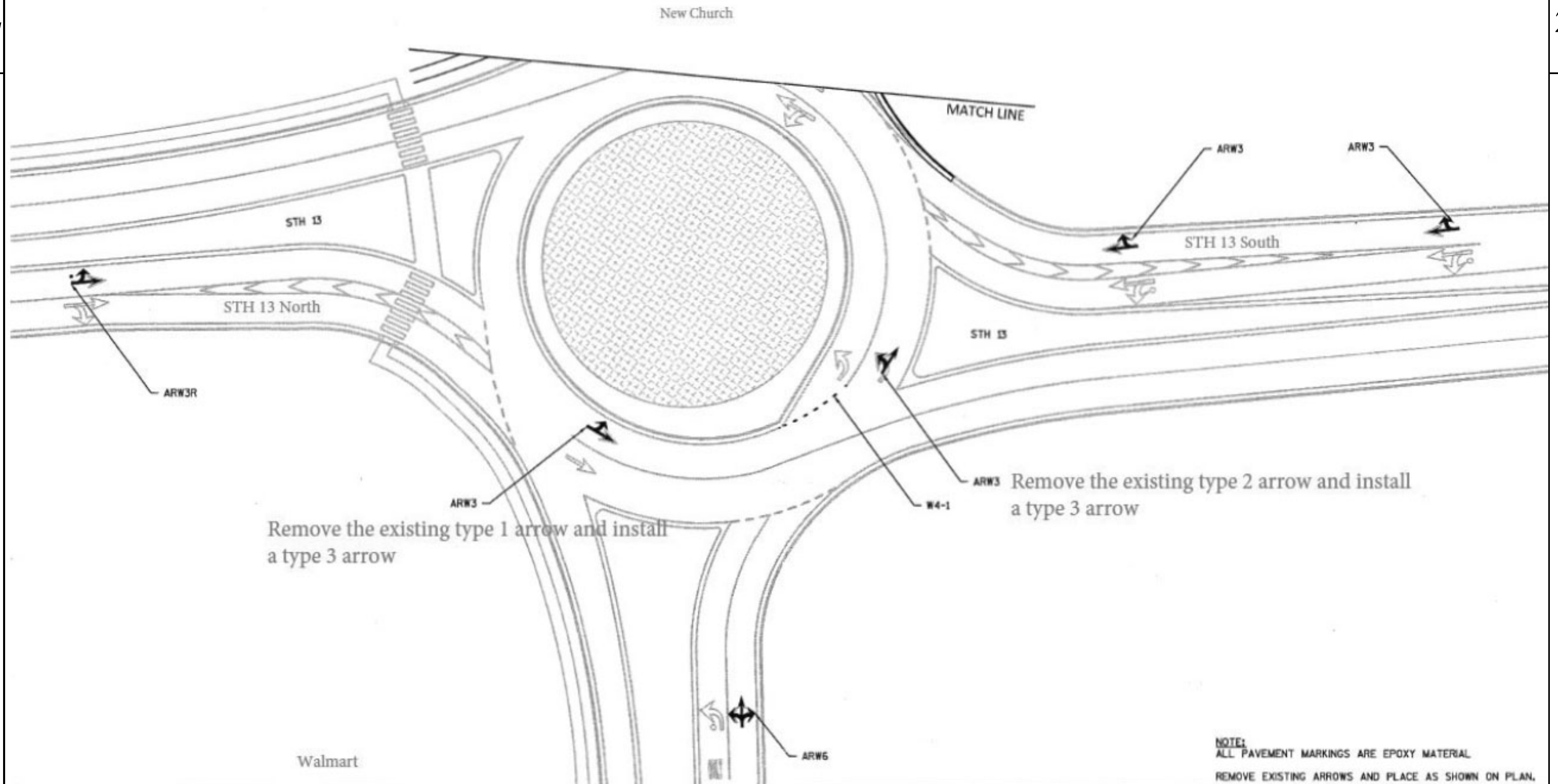


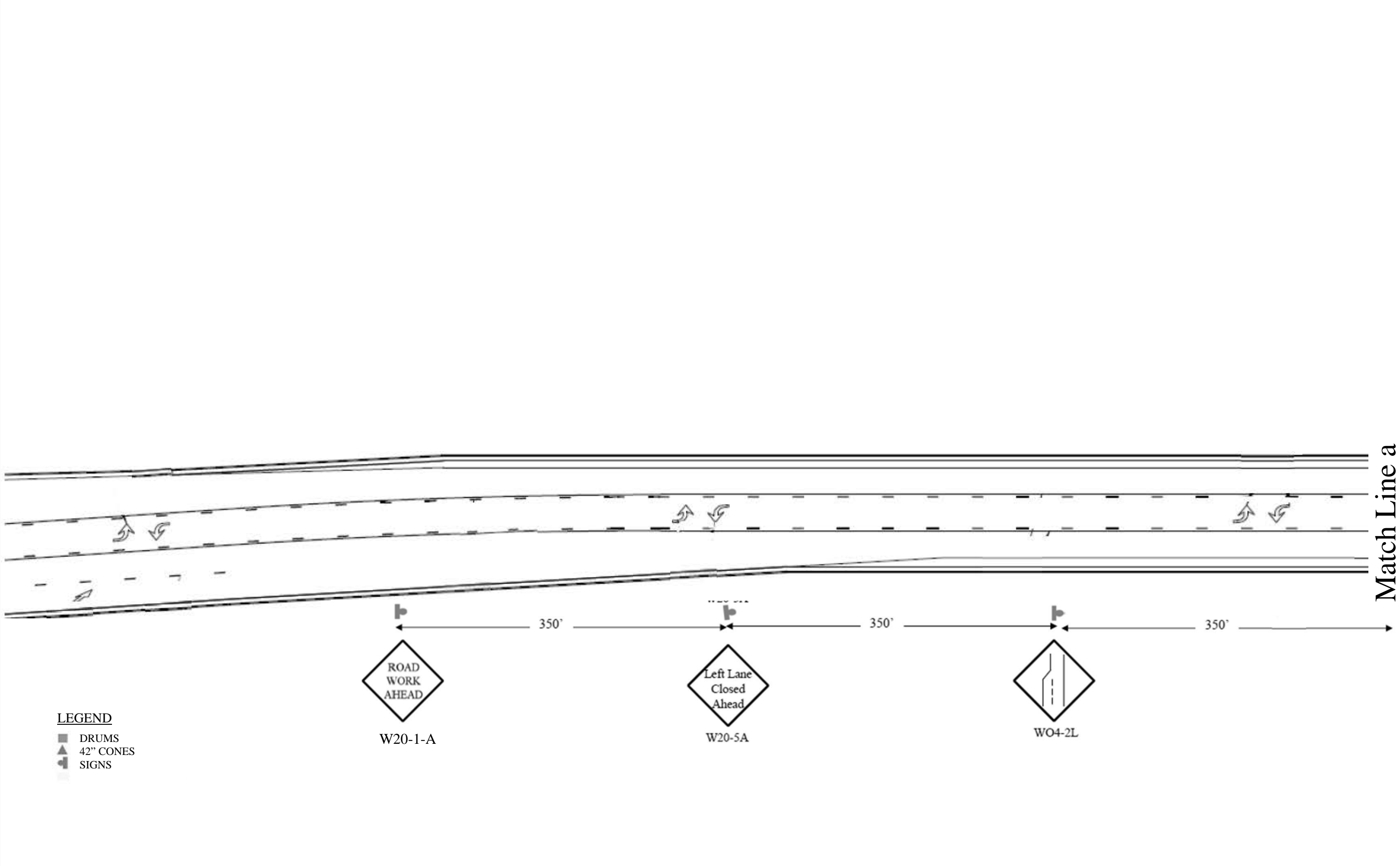






# Map Ref# Taylor 04A Arrow Removals





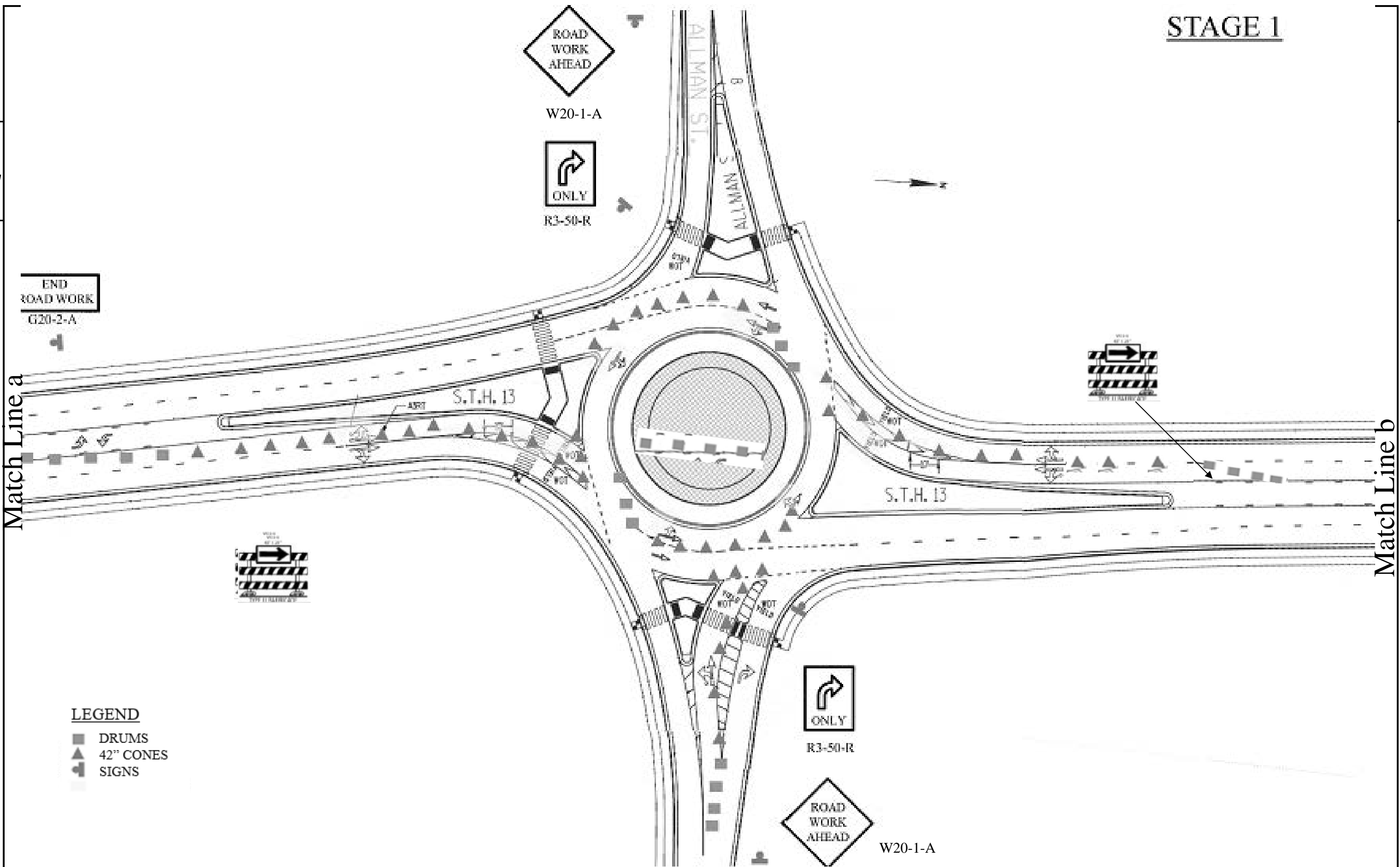
STAGE 1

2

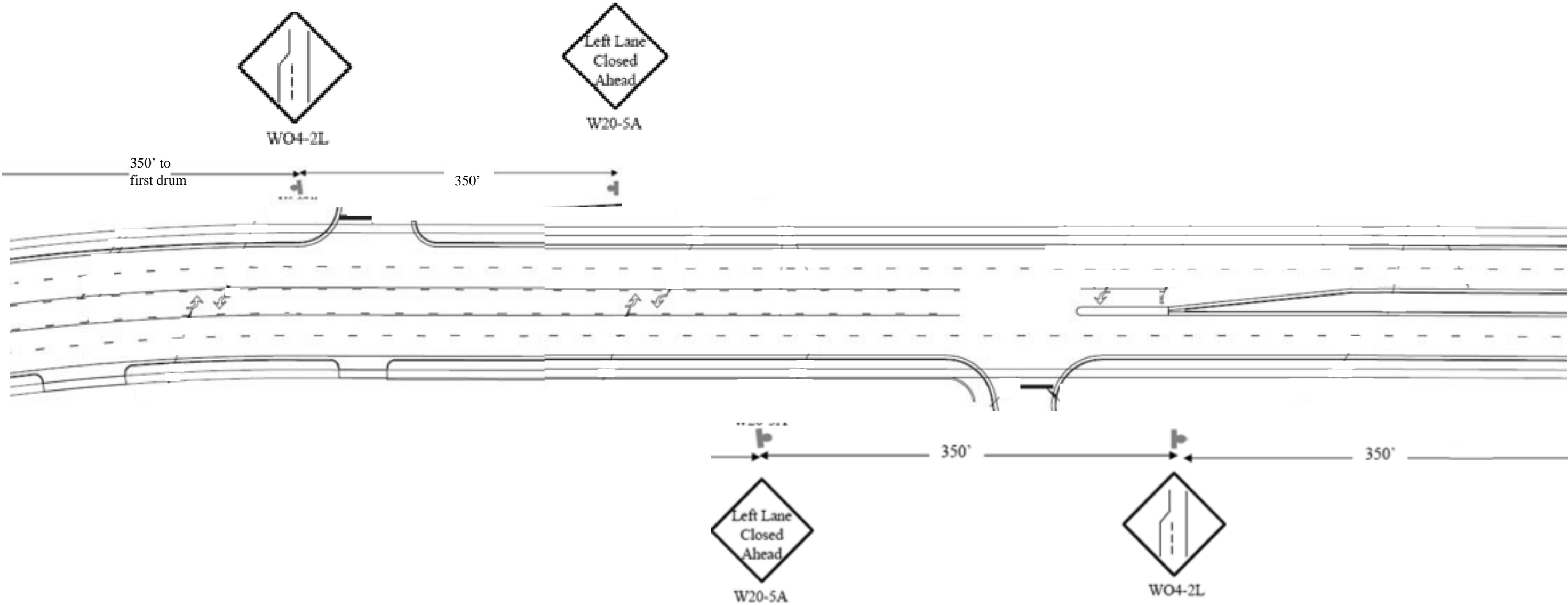
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Match Line a

Match Line b



Match Line b

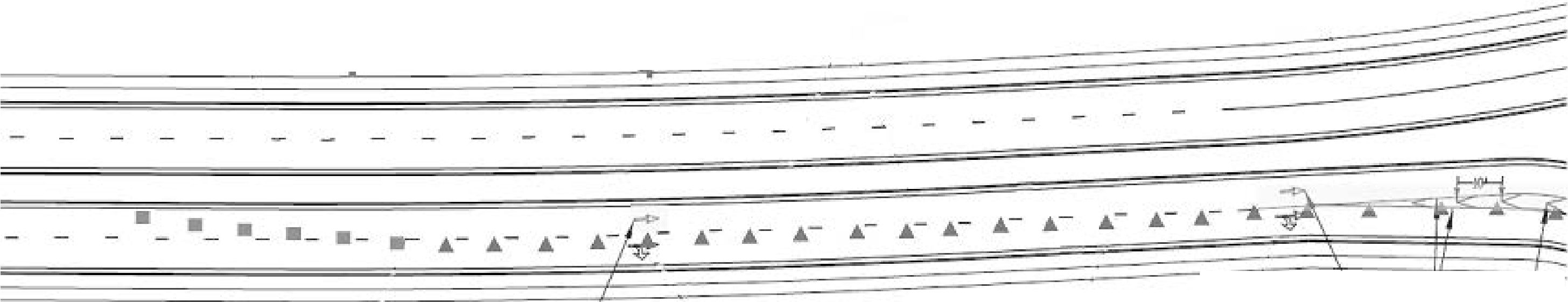


LEGEND

- DRUMS
- ▲ 42" CONES
- ◀ SIGNS

Match Line b

STAGE 1



LEGEND

- DRUMS
- ▲ 42" CONES
- ⬇️ SIGNS

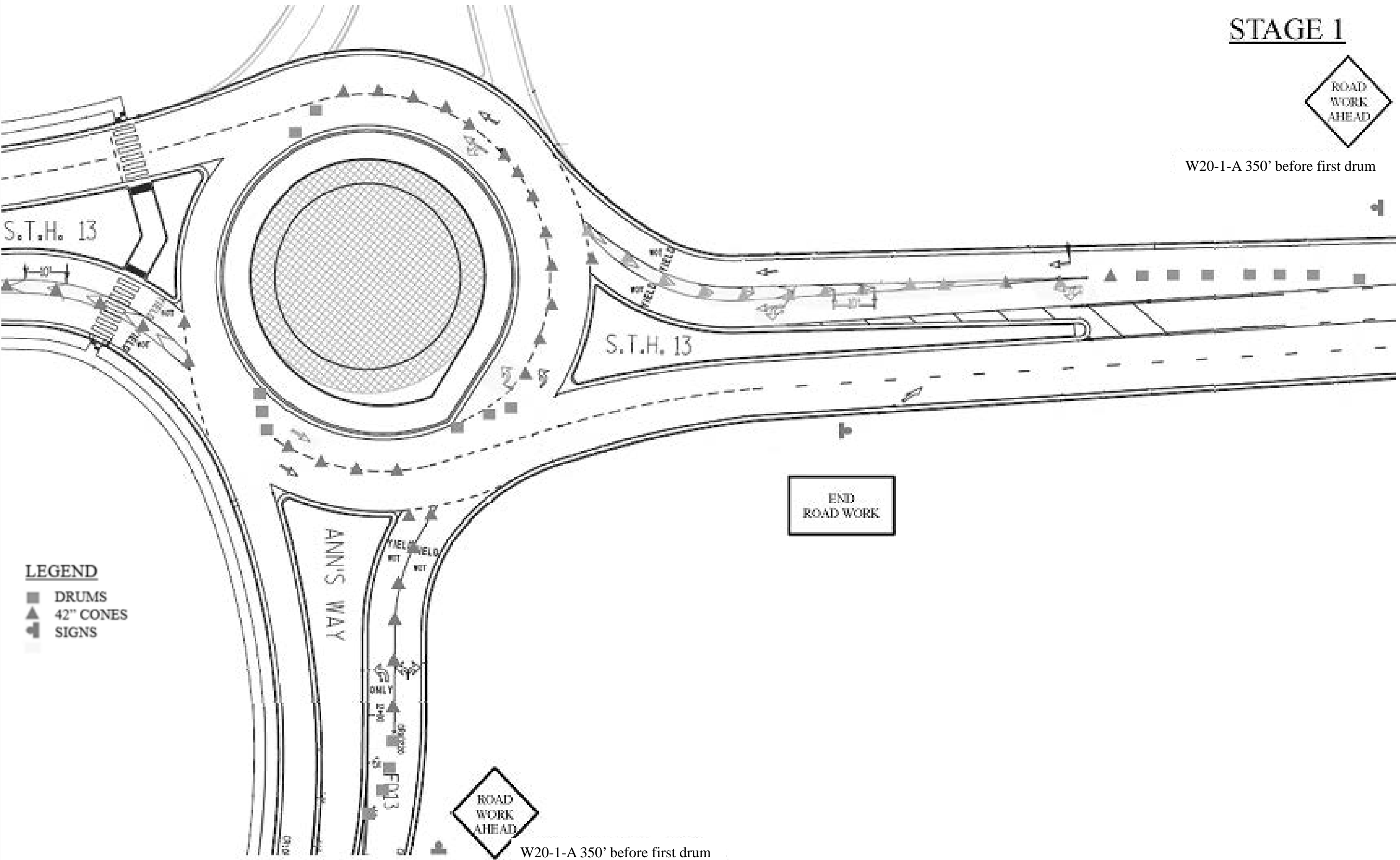
STAGE 1



W20-1-A 350' before first drum

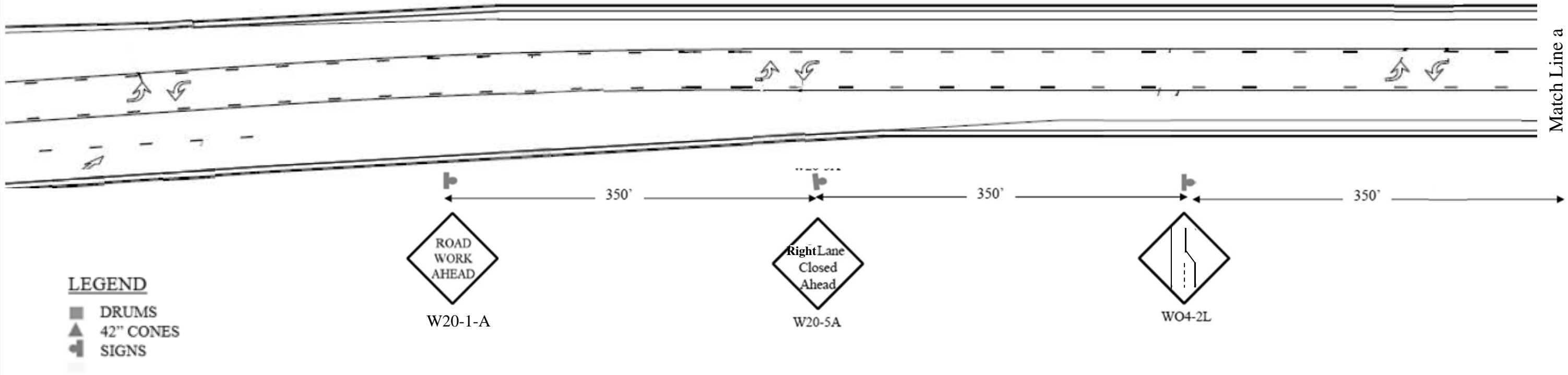
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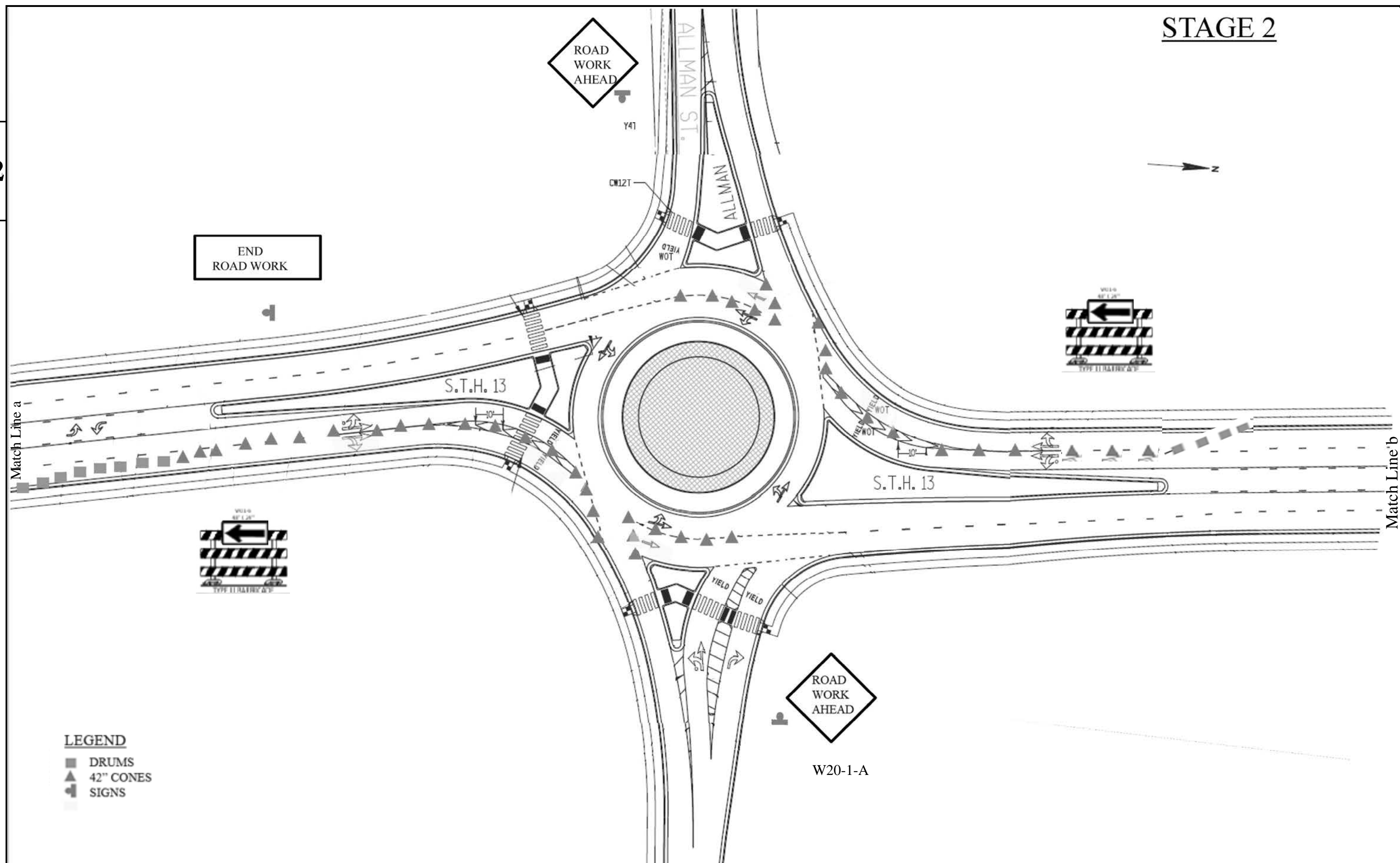


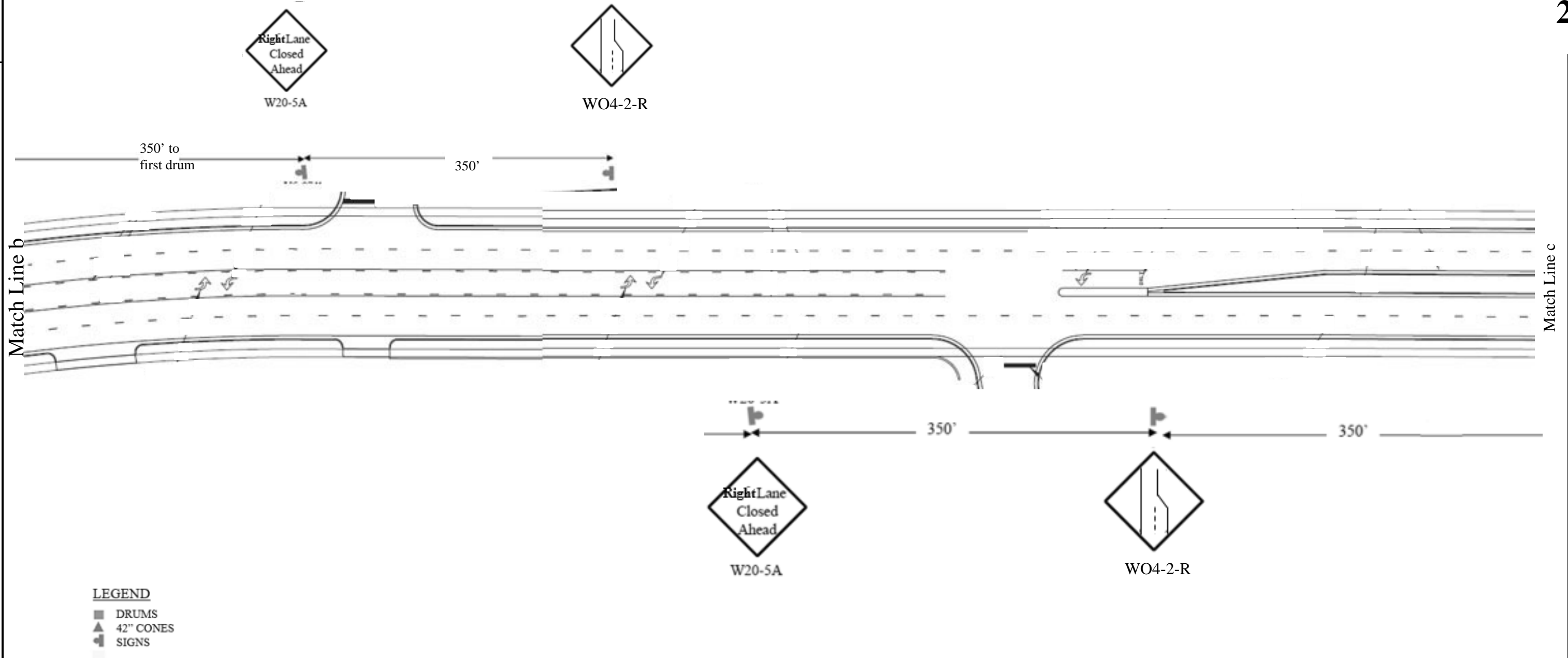
LEGEND

- DRUMS
- ▲ 42" CONES
- ◆ SIGNS







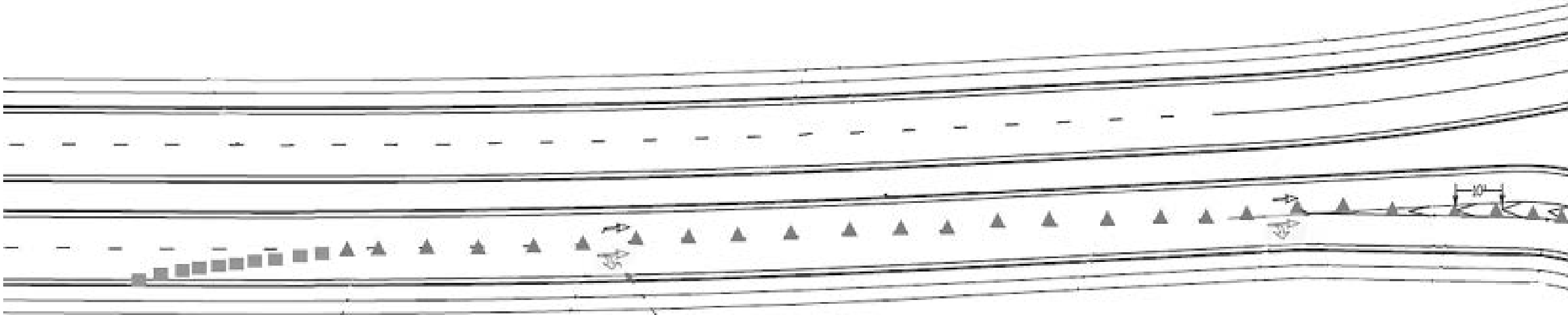


STAGE 2



Match Line c

Match Line d



LEGEND

- DRUMS
- ▲ 42" CONES
- ◀ SIGNS

W20-1-A

# STAGE 2



W20-1-A

S.T.H. 13

S.T.H. 13

ANN'S WAY

END ROAD WORK

## LEGEND

- DRUMS
- ▲ 42" CONES
- ◀ SIGNS



W20-1-A

Match Line d

Estimate Of Quantities

1000-18-21

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.1020	Marking Line Epoxy 4-Inch	LF	1,800,817.000	1,800,817.000
0006	646.3020	Marking Line Epoxy 8-Inch	LF	28,136.000	28,136.000
0008	646.5020	Marking Arrow Epoxy	EACH	110.000	110.000
0010	646.5120	Marking Word Epoxy	EACH	34.000	34.000
0012	646.5320	Marking Railroad Crossings Epoxy	EACH	5.000	5.000
0014	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,439.000	1,439.000
0016	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	190.000	190.000
0018	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,532.000	1,532.000
0020	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	240.000	240.000
0022	646.8120	Marking Curb Epoxy	LF	850.000	850.000
0024	646.8220	Marking Island Nose Epoxy	EACH	35.000	35.000
0026	646.9000	Marking Removal Line 4-Inch	LF	87,706.000	87,706.000
0028	646.9100	Marking Removal Line 8-Inch	LF	16,180.000	16,180.000
0030	646.9300	Marking Removal Special Marking	EACH	44.000	44.000
0032	SPV.0060	Special 01. Marking Arrows MMA	EACH	38.000	38.000
0034	SPV.0060	Special 02. Marking Words MMA	EACH	4.000	4.000
0036	SPV.0090	Special 01. Marking Line MMA 4-Inch	LF	8,070.000	8,070.000
0038	SPV.0090	Special 02. Marking Line MMA 8-Inch	LF	3,620.000	3,620.000
0040	SPV.0090	Special 03. Marking Dotted Extensions MMA 18-Inch	LF	174.000	174.000
0042	SPV.0090	Special 04. Marking Diagonals MMA 12-inch	LF	293.000	293.000
0044	SPV.0090	Special 05. Marking Chevron MMA 24-Inch	LF	148.000	148.000
0046	SPV.0105	Special 01. Traffic Control	LS	1.000	1.000

SUMMARY		
Bid Item	Quantity	Unit
SPV.0105.01 Traffic Control	1	LS
619.1 Mobilization	1	EACH
646.102 Marking Line Epoxy 4-Inch	1,800,817	LF
646.302 Marking Line Epoxy 8-Inch	28,136	LF
646.9 Marking Removal Line 4-Inch	87,706	LF
646.91 Marking Removal Line 8-Inch	16,180	LF
646.502 Marking Arrow Epoxy	110	EACH
646.512 Marking Word Epoxy	34	EACH
646.532 Marking Railroad Crossing Epoxy	5	EACH
646.612 Marking Stop Line Epoxy 18-Inch	1,439	LF
646.632 Marking Dotted Extensions Epoxy 18-Inch	190	LF
646.712 Marking Diagonal Epoxy 12-Inch	1,532	LF
646.742 Marking Crosswalk Transverse Line 6-Inch	240	LF
646.812 Marking Curb Epoxy	850	LF
646.822 Marking Island Nose Epoxy	35	EACH
646.93 Marking Removal Special Marking	44	EACH
SPV.0090.01 Marking Line MMA 4-Inch	8,070	LF
SPV.0090.02 Marking Line MAA 8-Inch	3,620	LF
SPV.0060.01 Marking Arrows MMA	38	EACH
SPV.0060.02 Marking Words MMA	4	EACH
SPV.0090.03 Marking Dotted Extensions MMA 18-Inch	174	LF
SPV.0090.04 Marking Diagonal MMA 12-Inch	293	LF
SPV.0090.05 Marking Chevrons MMA 24-Inch	148	LF

LONGLINE PAVEMENT MARKING ASHLAND

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH
						YELLOW LF	WHITE LF	WHITE LF
801	1.8	Ashland EB & WB	USH 2	15th Ave E / Ashland	Sum Rd / End of Concrete / Ashland	17,448	19,651	987
Subtotal						17,448	19,651	987

LONGLINE PAVEMENT MARKING BUFFALO

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH	646.9000 MARKING REMOVAL LINE
						YELLOW LF	WHITE LF	WHITE LF	4-INCH LF
601	2.4	Buffalo	STH 25	WI & MN State Line	RxR Tracks / STH 35 South / Nelson	8,450	24,150	205	----
602	1.4	Buffalo	STH 25	RxR Tracks / STH 35 South / Nelson Do NOT paint exit ramp to STH 25 North at Jct with STH 35 West	STH 35 West / North of Nelson	12,196	21,128	170	----
603	0.1	Buffalo	STH 35	STH 25 North / North of Nelson	325' West of Intersection of STH 25 North / North of Nelson	545	661	-----	----
604	6.3	Buffalo	STH 35	Reicks Bridge / 1500' North of STH 37 North / North of Alma	STH 25 South / Nelson	56,425	89,457	310	----
605	19.3	Buffalo	STH 88	STH 35	320' North of CTH U	168,939	202,294	20	----
NPZ R1	Point	Buffalo	USH 10	275' East of CTH A / Mondovi	Cut Dashes	----	----	----	414
NPZ R2	Point	Buffalo	USH 10	829' East of CTH A / Mondovi		----	----	----	360
NPZ R3	Point	Buffalo	USH 10	190 ' East of Memorial Dr / Mondovi		----	----	----	97
NPZ R4	Point	Buffalo	USH 10	At Joel St / Mondovi		----	----	----	338
NPZ R5	Point	Buffalo	STH 35	5140' North of STH 95 / Fountain City		----	----	----	247
NPZ R6	Point	Buffalo	STH 35	50' North of Waumandee Rd		----	----	----	105
NPZ R7	Point	Buffalo	STH 35	1160' North of Waumandee Rd		----	----	----	119
NPZ R8	Point	Buffalo	STH 35	At Indian Creek Rd		----	----	----	375
NPZ R9	Point	Buffalo	STH 35	At Conrad St		----	----	----	358
NPZ R10	Point	Buffalo	STH 37	555' North of Washington St / Mondovi		----	----	----	83
Subtotal						246,555	337,690	705	2,496

LONGLINE PAVEMENT MARKING DOUGLAS

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH
						YELLOW LF	WHITE LF	WHITE LF
803	2.7	Douglas	STH 27	Rush Lake Rd	CTH B West	18,544	28,419	-----
Subtotal						18,544	28,419	0



LONGLINE PAVEMENT MARKING DUNN

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH	646.9000 MARKING REMOVAL LINE	646.9100 MARKING REMOVAL LINE
						YELLOW LF	WHITE LF	WHITE LF	4-INCH LF	8-INCH LF
607	9.1	Dunn	STH 79	USH 12 / West of Menomonie	STH 170 / Boyceville	51,980	94,650	150	----	----
NPZ R34	Point	Dunn	STH 40	1000' South of 730th Ave or Golf View Rd	Cut dashes	----	----	----	75	----
NPZ R35	Point	Dunn	STH 40	4225' South of CTH B West	Cut dashes	----	----	----	78	----
Subtotal						51,980	94,650	150	153	0

SPECIAL MARKING PAVEMENT MARKING DUNN

MAP REF #	MAP REF HWY	MAP REFERENCE SITE ID	MARKING LOCATION	646.5020 MARKING ARROW EPOXY Type 2 EACH	646.5120 MARKING WORD EPOXY ONLY EACH	646.5320 MARKING RAILROAD EPOXY EACH	646.6120 MARKING STOP LINE 18-INCH LF	646.7120 MARKING DIAGONAL 12-INCH YELLOW LF
Dunn 28	79	STH 170 North Jct - Boyceville	Mainline	----	----	1	62	----
Dunn 16	85	CTH H - Caryville	Left Turn Lane	1	1	----	----	----
Dunn 16	85	CTH H - Caryville	Median	----	----	----	----	643
Dunn 11	40	Railroad Ave - Colfax	Mainline	----	----	2	----	----
Subtotal				1	1	3	62	643

LONGLINE PAVEMENT MARKING EAU CLAIRE/JACKSON

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH	646.9000 MARKING REMOVAL LINE	646.9100 MARKING REMOVAL LINE
						YELLOW LF	WHITE LF	WHITE LF	4-INCH LF	8-INCH LF
608	2.4	Eau Claire NB & SB	STH 93	Lorch Ave / Eau Claire Do NOT remove or paint tape intersection guides at Golf Rd & Hamilton Ave Incl: On & Off Ramps from USH 53 (2) & Hastings Way (2)	USH 53 NB	14,000	40,450	11,700	54,450	11,700
609	0.5	Eau Claire	USH 12	25' East of Freedom St / Fall Creek	200' East of Plum St / Fall Creek	5,605	-----	-----	5,605	----
610	5.5	EC / Jack	USH 12	Kempton Rd / East of Augusta	USH 10 West / Fairchild	26,755	56,845	175	----	----
611	9	Jackson	STH 27	Jackson & Monroe County Line	USH 12 East / Black River Falls	32,360	91,868	420	----	----
612	0.5	Jackson	STH 54	McDonald Rd / Black River Falls No I94 Ramps	Oasis Rd / Black River Falls	5,700	6,725	860	12,425	860
613	0.3	Jackson	USH 12	Cleveland St / Black River Falls	STH 27 South / Black River Falls	3,600	-----	167	----	----
Subtotal						88,020	195,888	13,322	72,480	12,560

SPECIAL MARKING PAVEMENT MARKING EAU CLAIRE

MAP REF #	MAP REF HWY	MAP REFERENCE SITE ID	MARKING LOCATION	646.5020 MARKING ARROW EPOXY Type 2 EACH	646.5120 MARKING WORD EPOXY ONLY EACH	646.6120 MARKING STOP LINE 18-INCH LF	646.7420 MARKING CROSSWALK TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND EPOXY EACH
Eau Claire 46A	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	Left Turn Lane	4	4	----	----	----	----
Eau Claire 46A	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	Mainline	----	----	50	----	----	----
Eau Claire 46A	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	Median	----	----	----	----	13	1
Eau Claire 46B	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	Left Turn Lane	2	2	----	----	----	----
Eau Claire 46B	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	Mainline	----	----	37	----	----	----
Eau Claire 46B	12	USH 53 - Clairemont Ave - Eau Claire - Exit 87	Median	----	----	----	----	13	1
Eau Claire 46C	53	USH 12 - Clairemont Ave - Eau Claire - Exit 87	Exit Ramp	----	----	45	----	----	----
Eau Claire 46D	53	USH 12 - Clairemont Ave - Eau Claire - Exit 87	Exit and On Ramp	----	----	25	240		
Eau Claire 60A	93	Lorch Ave - S of Eau Claire	Mainline	----	----	50	----	----	----
Eau Claire 60A	93	Lorch Ave - S of Eau Claire	Median	----	----	----	----	10	1
Eau Claire 60B	93	Lorch Ave - S of Eau Claire	Mainline	----	----	50	----	----	----
Eau Claire 60B	93	Lorch Ave - S of Eau Claire	Median	----	----	----	----	10	1
Eau Claire 61A	93	I-94 EB Exit 68 - S of Eau Claire	Mainline	----	----	40	----	----	----
Eau Claire 61A	93	I-94 EB Exit 68 - S of Eau Claire	Median	----	----	----	----	52	1
Eau Claire 61B	93	I-94 EB Exit 68 - S of Eau Claire	Mainline	----	----	36	----	----	----
Eau Claire 61B	93	I-94 EB Exit 68 - S of Eau Claire	Median	----	----	----	----	85	1
Eau Claire 62A	93	I-94 WB Exit 68 - S of Eau Claire	Median	----	----	----	----	83	1
Eau Claire 62B	93	I-94 WB Exit 68 - S of Eau Claire	Median	----	----	----	----	70	1
Eau Claire 65A	93	Hamilton Ave - Eau Claire	Left Turn Lane	4	----	----	----	----	----
Eau Claire 65B	93	Hamilton Ave - Eau Claire	Left Turn Lane	4	----	45	----	----	----
Eau Claire 68A	93	Damon St - Eau Claire	Mainline	----	----	48	----	----	----
Eau Claire 68A	93	Damon St - Eau Claire	Median	----	----	----	----	15	1
Eau Claire 68B	93	Damon St - Eau Claire	Mainline	----	----	47	----	----	----
Eau Claire 68B	93	Damon St - Eau Claire	Median	----	----	----	----	11	1
Eau Claire 69A	93	Brian St - Eau Claire	Mainline	----	----	53	----	----	----
Eau Claire 69A	93	Brian St - Eau Claire	Median	----	----	----	----	15	1
Eau Claire 69B	93	Brian St - Eau Claire	Mainline	----	----	48	----	----	----
Eau Claire 69B	93	Brian St - Eau Claire	Median	----	----	----	----	17	1
Eau Claire 71A	93	Golf Rd - Eau Claire	Left Turn Lane	4	----	----	----	----	----
Eau Claire 71A	93	Golf Rd - Eau Claire	Mainline	----	----	50	----	----	----
Eau Claire 71A	93	Golf Rd - Eau Claire	Median	----	----	----	----	12	1
Eau Claire 71B	93	Golf Rd - Eau Claire	Mainline	----	----	36	----	----	----
Eau Claire 71B	93	Golf Rd - Eau Claire	Median	----	----	----	----	12	1
Eau Claire 89AA	93	SB Business 53 - SB Hastings Way (On Ramp)	On Ramp	4	4	60	----	----	----
Subtotal				22	10	720	240	418	14

LONGLINE PAVEMENT MARKING PEPIN

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE		646.3020	646.9000	646.9100
						EPOXY YELLOW LF	4-INCH WHITE LF	MARKING EPOXY 8-INCH WHITE LF	MARKING REMOVAL LINE 4-INCH LF	MARKING REMOVAL LINE 8-INCH LF
NPZ R11	Point	Pepin	STH 25	197' North of 5th Ave E / Durand		----	----	----	96	----
Subtotal						0	0	0	96	0

LONGLINE PAVEMENT MARKING PIERCE

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE		646.3020	646.9000	646.9100
						EPOXY YELLOW LF	4-INCH WHITE LF	MARKING EPOXY 8-INCH WHITE LF	MARKING REMOVAL LINE 4-INCH LF	MARKING REMOVAL LINE 8-INCH LF
615	14	Pierce	STH 35	Pierce & Pepin County Line New zone thru Bay City Solid / Solid Incl: SB On Ramp from USH 63 NB	USH 63 / Hager City	107,150	133,900	2,700	----	----
616	6.2	Pierce	STH 128	STH 72 / Elmwood	Pierce & St Croix County Line	67,988	65,450	95	----	----
Subtotal						175,138	199,350	2,795	0	0

LONGLINE PAVEMENT MARKING POLK

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE		646.3020	646.9000	646.9100
						EPOXY YELLOW LF	4-INCH WHITE LF	MARKING EPOXY 8-INCH WHITE LF	MARKING REMOVAL LINE 4-INCH LF	MARKING REMOVAL LINE 8-INCH LF
NPZ R12	Point	Polk	USH 8	437' East of Const Joint/pavement change that's East of STH 35	Cut Dashes	----	----	----	174	----
NPZ R13	Point	Polk	STH 35	1637' North of CTH G		----	----	----	102	----
NPZ R14	Point	Polk	STH 35	525' North of CTH G	Cut Dashes	----	----	----	100	----
NPZ R15	Point	Polk	STH 35	1818' North of STH 48 / Luck		----	----	----	242	----
NPZ R16	Point	Polk	STH 48	2643' East of CTH I		----	----	----	89	----
NPZ R17	Point	Polk	USH 63	61' South of 10th Ave/ CTH A / Clear Lake	Cut Dashes	----	----	----	115	----
NPZ R18	Point	Polk	USH 63	1440' North of 5th Ave/ Clear Lake		----	----	----	102	----
NPZ R19	Point	Polk	STH 65	North end of the Apple River Bridge to North of Random Road, NB line	Cut Dashes	----	----	----	152	----
NPZ R20	Point	Polk	STH 65	46' North of Appler River Bridge, SB Line	Cut Dashes	----	----	----	1,143	----
Subtotal						0	0	0	2,219	0

LONGLINE PAVEMENT MARKING RUSK

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE		646.3020	646.9000	646.9100
						EPOXY YELLOW LF	4-INCH WHITE LF	MARKING EPOXY 8-INCH WHITE LF	MARKING REMOVAL LINE 4-INCH LF	MARKING REMOVAL LINE 8-INCH LF
NPZ R21	Point	Rusk	STH 73	100' North of South St / Ingram		----	----	----	127	----
NPZ R22	Point	Rusk	STH 73	342' North of South St / Ingram		----	----	----	122	----
Subtotal						0	0	0	249	0

LONGLINE PAVEMENT MARKING ST CROIX

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH	646.9000 MARKING REMOVAL LINE	646.9100 MARKING REMOVAL LINE
						YELLOW LF	WHITE LF	WHITE LF	4-INCH LF	8-INCH LF
617	0.9	St Croix	STH 128	Pierce & St Croix County Line	STH 29	9,700	9,291	125	----	----
618	4	St Croix	STH 65	Airport Rd / New Richmond	Jewell St / Star Prairie	17,387	36,631	1,860	----	----
619	0.1	St Croix	Carmicheal Rd	I 94 EB On & Off Ramp (Bridge deck over I 94)	I 94 WB On & Off Ramp	-----	600	800	----	----
NPZ R23	Point	St Croix	USH 12	7728' East of Alexander Rd		----	----	----	114	----
NPZ R24	Point	St Croix	USH 12	8565' East of Alexander Rd		----	----	----	235	----
NPZ R25	Point	St Croix	USH 12	3223' East of 160th St		----	----	----	181	----
NPZ R26	Point	St Croix	USH 12	1788' East of 170th St		----	----	----	118	----
NPZ R27	Point	St Croix	USH 12	3560' East of CTH T or 62' West of Park St / Hammond	Cut Dashes	----	----	----	157	----
NPZ R28	Point	St Croix	USH 12	609' East of John St /Hammond		----	----	----	211	----
NPZ R29	Point	St Croix	STH 65	1837' North of 157th Ave /South of New Richmond		----	----	----	282	----
Subtotal						27,087	46,522	2,785	1,298	0

SPECIAL MARKING PAVEMENT MARKING ST CROIX

MAP REF #	MAP REF HWY	MAP REFERENCE SITE ID	MARKING LOCATION	646.5020 MARKING ARROW EPOXY		646.5120 MARKING WORD EPOXY	646.6120 MARKING STOP LINE	646.7120 MARKING DIAGONAL 12-IN	646.8120 MARKING CURB EPOXY	646.8220 MARKING ISLAND EPOXY
				Type 2 EACH	Type 3 EACH	ONLY EACH	18-INCH LF	WHITE LF	LF	EACH
St Croix 38A	94	Carmichael Rd - Hudson - Exit 2	EB Exit Ramp	6	2	6	65	-----	251	-----
St Croix 38B	94	Carmichael Rd - Hudson - Exit 2	WB Exit Ramp	4	2	2	49	128	-----	-----
St Croix 46A	94	USH 12 - Exit 4	EB Exit Ramp	4	2	2	53	-----	-----	-----
St Croix 46B	94	USH 12 - Exit 4	WB Exit Ramp	-----	-----	-----	42	-----	-----	-----
St Croix 55	65	CTH H - Star Prairie	Mainline	-----	-----	-----	17	-----	-----	-----
Subtotal				14	6	10	226	128	251	0

LONGLINE PAVEMENT MARKING MMA ST CROIX

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	SPV.0090.01 MARKING LINE MMA 4-ICH		SPV.0090.02 MARKING LINE MMA 8-INCH	646.9000 MARKING REMOVAL LINE	646.9100 MARKING REMOVAL LINE
						YELLOW LF	WHITE LF	WHITE LF	4-INCH LF	8-INCH LF
625	0.3	St. Croix	STH 65	Start of South RAB Entrance Lane / EB I-94 On Ramp	End of North RAB Exit Lane / WB I-94 Off Ramp	3,289	4,781	3,620	8,070	3,620
Subtotal						3,289	4,781	3,620	8,070	3,620

SPECIAL MARKING PAVEMENT MARKING MMA ST CROIX

MAP REF #	MAP REF HWY	MAP REFERENCE SITE ID	MARKING LOCATION	646.9300 MARKING REMOVAL	SPV.0060.01 MARKING ARROWS MMA						SPV.0060.02 MARKING WORD MMA	SPV.0090.03 MARKING DOTTED EXTENSION	SPV.0090.04 MARKING DIAGONAL	SPV.0090.05 MARKING CHEVRON
				MARKING EACH	Type 1 EACH	Type 2 EACH	Type 2R EACH	Type 3 EACH	Type 3R EACH	Type 6 EACH	ONLY EACH	18-INCH LF	12-INCH LF	24-IN LF
St Croix 45 MMA	STH 65	IH-94 Exit 10	Roundabout	42	15	6	4	8	3	2	4	174	293	148
Subtotal				42	15	6	4	8	3	2	4	174	293	148

LONGLINE PAVEMENT MARKING TREMPEALEAU

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH
						YELLOW LF	WHITE LF	
621	8	Trempealeau	USH 53	Richter Rd / Whitehall	Evenson Rd / Pigeon Falls / North End of Bridge Deck	47,306	67,443	496
622	0.6	Trempealeau	STH 93	Detloff Dr & Blascko Ave / Arcadia	STH 95 / Arcadia	6,044	3,500	3,186
623	4.5	Trempealeau	STH 95	USH 53 South / Blair	Trempealeau & Jackson County Line	18,589	40,206	920
624	1.5	Trempealeau	USH 10	1050' East of Industrial Rd / Osseo / End of Dvd Hwy	Trempealeau & Jackson County Line	8,618	15,379	1,020
Subtotal						80,557	126,528	5,622

SPECIAL MARKING PAVEMENT MARKING TREMPEALEAU

MAP REF #	MAP REF HWY	MAP REFERENCE SITE ID	MARKING LOCATION	646.5320 MARKING RAILROAD EPOXY EACH	646.6120 MARKING STOP LINE 18-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND EPOXY EACH
Trempealeau 08	35	Third St - City of Trempealeau	Mainline	----	20	----	----
Trempealeau 14	53	R X R Crossing - STH 121 - Whitehall	Mainline	2	----	40	4
Subtotal				2	20	40	4

LONGLINE PAVEMENT MARKING WASHBURN

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH		646.3020 MARKING LINE EPOXY 8-INCH	646.9000 MARKING REMOVAL LINE 4-INCH	646.9100 MARKING REMOVAL LINE 8-INCH
						YELLOW LF	WHITE LF	WHITE LF	LF	LF
NPZ R30	Point	Washburn	USH 63	6077' North of CTH F	Cut Dashes	----	----	----	295	----
NPZ R31	Point	Washburn	STH 70	4021' East of Greenfield Rd or East of Fire# W8289		----	----	----	150	----
NPZ R32	Point	Washburn	STH 70	318' East of Mavis/Timberline Rd		----	----	----	110	----
NPZ R33	Point	Washburn	STH 70	5189' East of Woodland Green Ln or 505' West of CTH B South/Spooner		----	----	----	90	----
Subtotal						0	0	0	645	0

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LONGLINE PAVEMENT MARKING

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF
620	2.7	Taylor	STH 13 NB & SB	CTH O / Medford Incl: RAB's at Allman St & Anne's Way	End of Concrete North of Anne's Way RAB / Medford	31,890	14,900	1,770
Subtotal						31,890	14,900	1,770

SPECIAL MARKING PAVEMENT MARKING TAYLOR

MAP REF #	MAP REF HWY	MAP REFERENCE SITE ID	MARKING LOCATION	Type 1 EACH	Type 2 EACH	Type 3 EACH	Type 3R EACH	646.5020 MARKING ARROW EPOXY ONLY EACH	646.5120 MARKING WORD EPOXY ONLY EACH	646.6120 MARKING STOP LINE 18-INCH LF	646.6320 MARKING DOTTED EXTENSION 18-INCH LF	646.7120 MARKING DIAGONAL 12-IN WHITE LF YELLOW LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND EPOXY EACH	646.9300 MARKING REMOVAL MARKING EACH
Taylor 02	13	CTH O - S of Medford	Turn Lane	----	6	----	----	6	----	----	----	----	----	----	----
Taylor 02	13	CTH O - S of Medford	Mainline	----	----	----	----	----	81	----	----	----	----	----	----
Taylor 02	13	CTH O - S of Medford	Median	----	----	----	----	----	----	----	----	306	----	----	----
Taylor 03A	13	Allman St RAB - Medford	NB Roundabout Leg	----	----	1	1	----	----	----	26	61	----	----	----
Taylor 03A	13	Allman St RAB - Medford	NB Roundabout Inner Circle	1	----	2	----	----	----	----	----	----	----	----	----
Taylor 03A	13	Allman St RAB - Medford	Median	----	----	----	----	----	----	----	----	----	10	1	----
Taylor 03B	13	Allman St RAB - Medford	SB Roundabout Leg	----	----	1	1	----	----	----	28	60	----	----	----
Taylor 03B	13	Allman St RAB - Medford	SB Roundabout Inner Circle	1	----	2	----	----	----	----	----	----	----	----	----
Taylor 03B	13	Allman St RAB - Medford	SB Median	----	----	----	----	----	----	----	----	----	10	1	----
Taylor 03C	Allman St	STH 13 RAB - Medford	EB Roundabout Leg	----	----	----	----	----	----	----	22	----	----	----	----
Taylor 03D	Allman St	STH 13 RAB - Medford	WB Roundabout Leg	----	----	----	----	----	----	----	34	----	----	----	----
Taylor 04A	13	Ann's Way RAB - Medford	NB Roundabout Leg	----	----	1	1	----	----	----	16	65	----	----	----
Taylor 04A	13	Ann's Way RAB - Medford	NB Roundabout Inner Circle	1	1	2	----	----	----	----	----	----	----	----	2
Taylor 04B	13	Ann's Way RAB - Medford	SB Roundabout Leg	----	----	2	2	----	----	----	28	96	----	----	----
Taylor 04B	13	Ann's Way RAB - Medford	SB Roundabout Inner Circle	1	----	1	----	----	----	----	----	----	----	----	----
Taylor 04B	13	Ann's Way RAB - Medford	SB Median	----	----	----	----	----	----	----	----	----	10	1	----
Taylor 04C	Ann's Way	STH 13 RAB - Medford	WB Roundabout Leg	----	----	----	----	----	----	----	26	----	----	----	----
Taylor 04D	Ann's Way	STH 13 RAB - Medford	EB Roundabout Leg	----	----	----	----	----	----	----	10	----	----	----	----
Taylor 05	102	STH 13 - South of Rib Lake	Mainline	----	----	----	----	----	----	32	----	----	----	----	----
Taylor 07A	13	Perkins St - Medford	TWLTL-Two Way Left Turn Lane	----	8	----	----	----	----	----	----	----	----	----	----
Taylor 07A	13	Perkins St - Medford	Mainline	----	----	----	----	----	43	----	----	----	----	----	----
Taylor 07A	13	Perkins St - Medford	NB Median	----	----	----	----	----	----	----	----	----	20	2	----
Taylor 07B	13	Perkins St - Medford	SB Right Turn Lane	----	2	----	----	2	----	----	----	----	----	----	----
Taylor 07B	13	Perkins St - Medford	Mainline	----	----	----	----	----	34	----	----	----	----	----	----
Taylor 07B	13	Perkins St - Medford	SB Median	----	----	----	----	----	----	----	----	----	20	2	----
Taylor 11A	13	Clark St - Medford	TWLTL-Two Way Left Turn Lane	----	2	----	----	----	----	----	----	----	----	----	----
Taylor 11A	13	Clark St - Medford	Mainline	----	----	----	----	----	67	----	----	----	20	2	----
Taylor 11B	13	Clark St - Medford	SB Median	----	----	----	----	----	----	----	20	----	----	2	----
Taylor 12A	13	STH 64 - Medford	TWLTL-Two Way Left Turn Lane	----	10	----	----	----	----	----	----	----	20	2	----
Taylor 12A	13	STH 64 - Medford	Mainline	----	----	----	----	----	33	----	----	----	20	2	----
Taylor 12B	13	STH 64 - Medford	Median	----	----	----	----	----	32	----	----	----	20	2	----
Taylor 12C	64	STH 13 - Medford	EB Left Turn Lane	----	1	----	----	1	----	----	----	----	----	----	----
Taylor 12C	64	STH 13 - Medford	Mainline	----	----	----	----	----	44	----	----	----	----	----	----
Taylor 12D	64	STH 13 - Medford	WB Left Turn Lane	----	1	----	----	1	----	----	----	----	----	----	----
Taylor 12D	64	STH 13 - Medford	Mainline	----	----	----	----	----	45	----	----	----	----	----	----
Taylor 13	13	Taylor St - Medford	NB Left Turn Lane	----	1	----	----	1	----	----	----	----	----	----	----
Taylor 20	13	Medford City Limits-1850' South of Conrad St	TWLTL-Two Way Left Turn Lane	----	8	----	----	----	----	----	----	----	----	----	----
Taylor 20	13	Medford City Limits-1850' South of Conrad St	NB Median	----	----	----	----	----	----	----	----	60	----	----	----
Taylor 21	13	Conrad St - Medford	NB Left Turn Lane	----	1	----	----	1	----	----	----	----	----	----	----
Taylor 21	13	Conrad St - Medford	TWLTL-Two Way Left Turn Lane	----	4	----	----	----	----	----	----	----	----	----	----
Taylor 21	13	Conrad St - Medford	NB Median	----	----	----	----	----	----	----	----	42	----	----	----
Taylor 22	13	Two to Three Lane - North End - Medford	NB Median	----	----	----	----	----	----	----	----	51	----	----	----
Taylor 23A	13	Impala Dr - Medford	NB Median	----	----	----	----	----	----	----	----	----	11	2	----
Taylor 23B	13	Impala Dr - Medford	SB Left Turn Lane	----	1	----	----	1	----	----	----	----	----	----	----
Subtotal				4	46	12	5	13	411	190	282	479	141	17	2

PROJECT NO: 1000-18-20

HWY: VARIOUS

COUNTY: TAYLOR

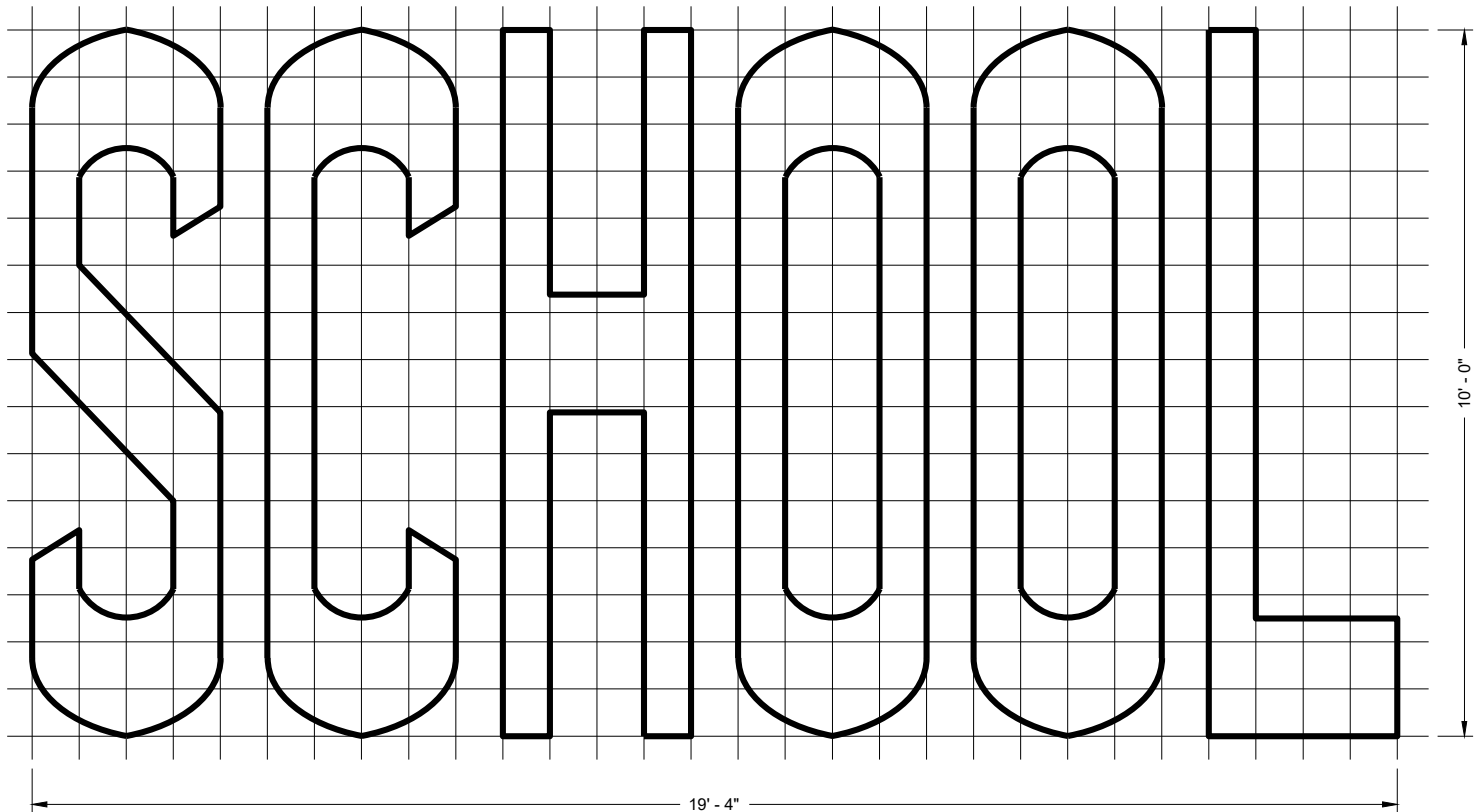
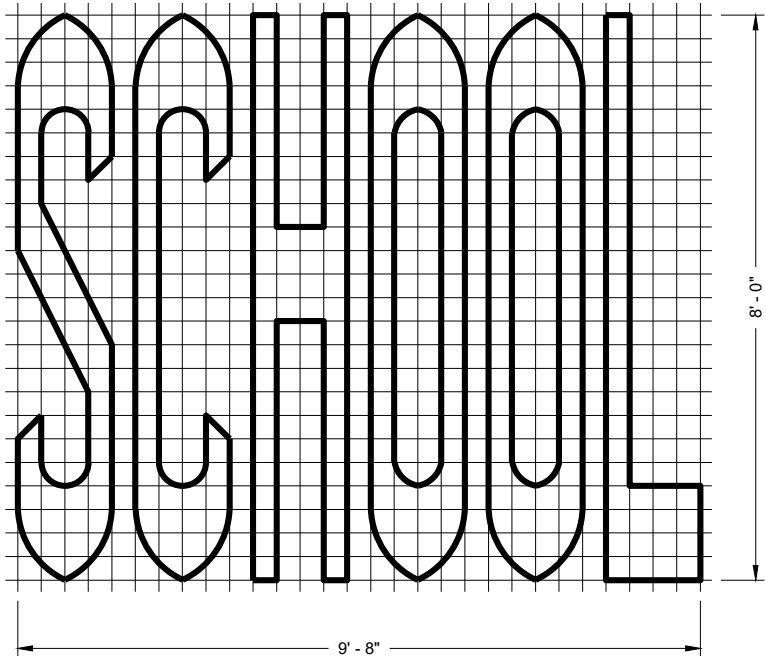
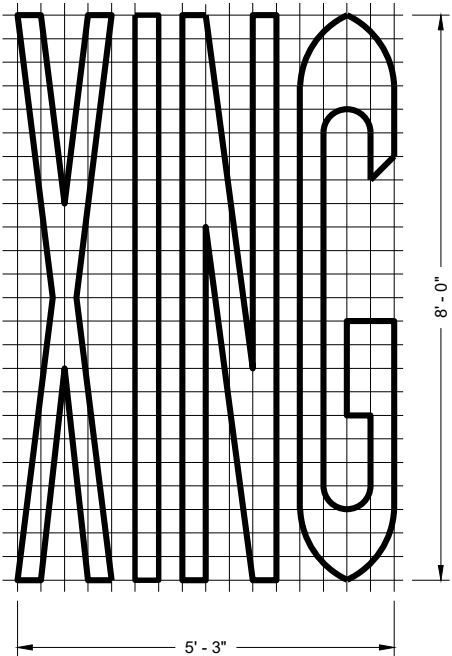
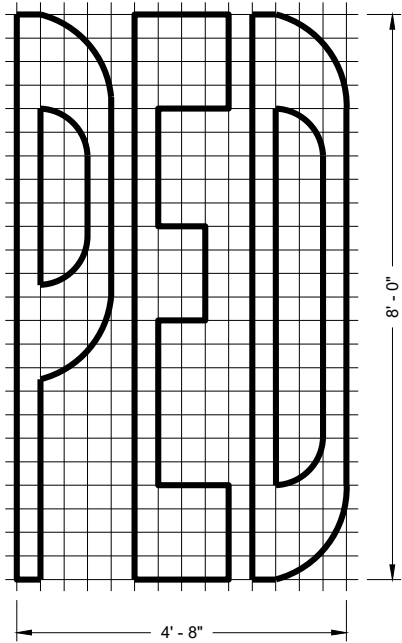
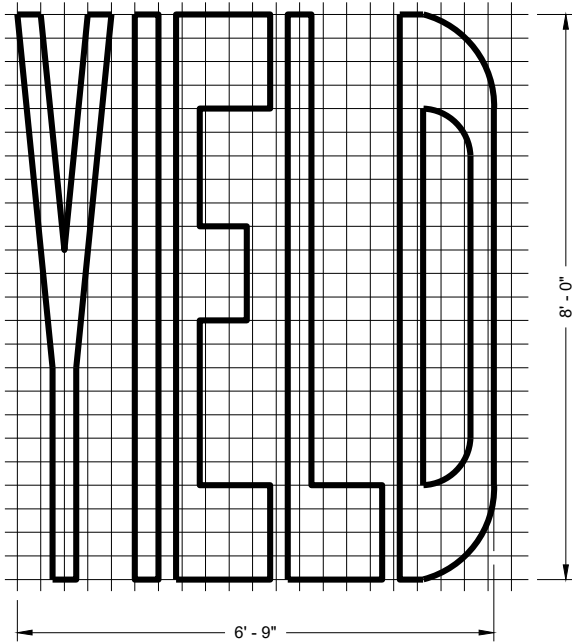
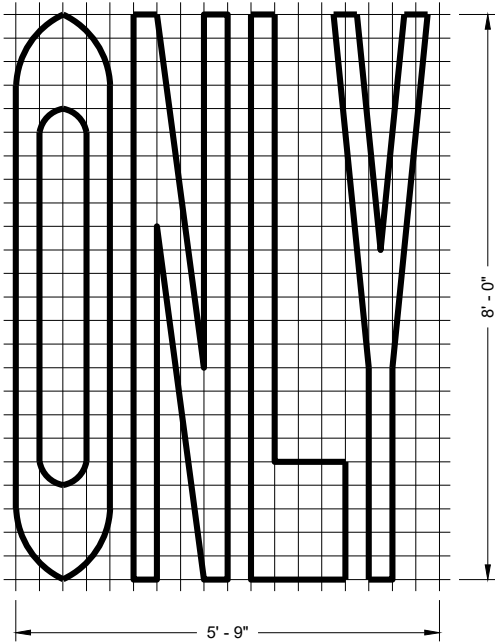
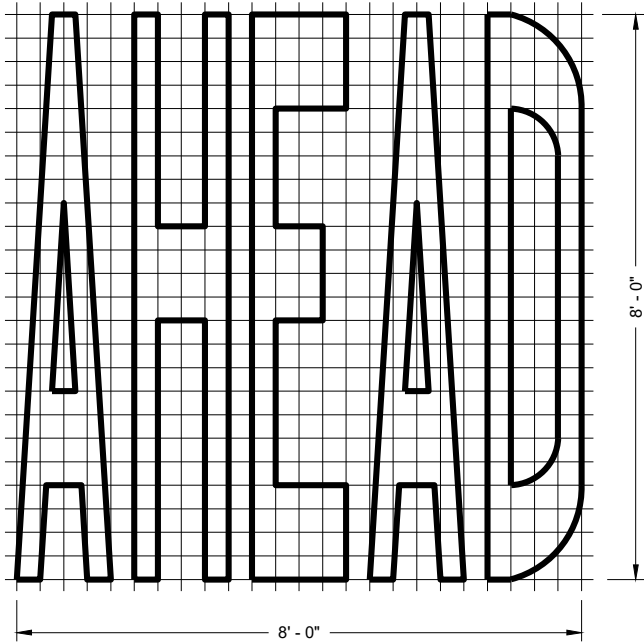
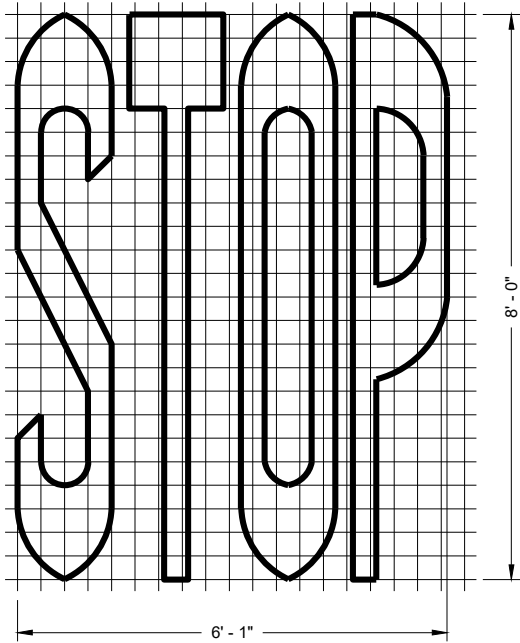
MISCELLANEOUS QUANTITIES

SHEET:

E

Standard Detail Drawing List

15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDAABOUT ARROWS
15C08-20A	LONGI TUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN I SLAND MARKING
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-06B	MOVING PAVEMENT MARKING OPERATION MULTI -LANE UNDIVIDED ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI -LANE DIVIDED ROADWAY
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C35-04B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-04C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D12-08A	TRAFFIC CONTROL, LANE CLOSURE
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



SINGLE LANE

TWO - LANE

#### GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

#### PAVEMENT MARKING WORDS

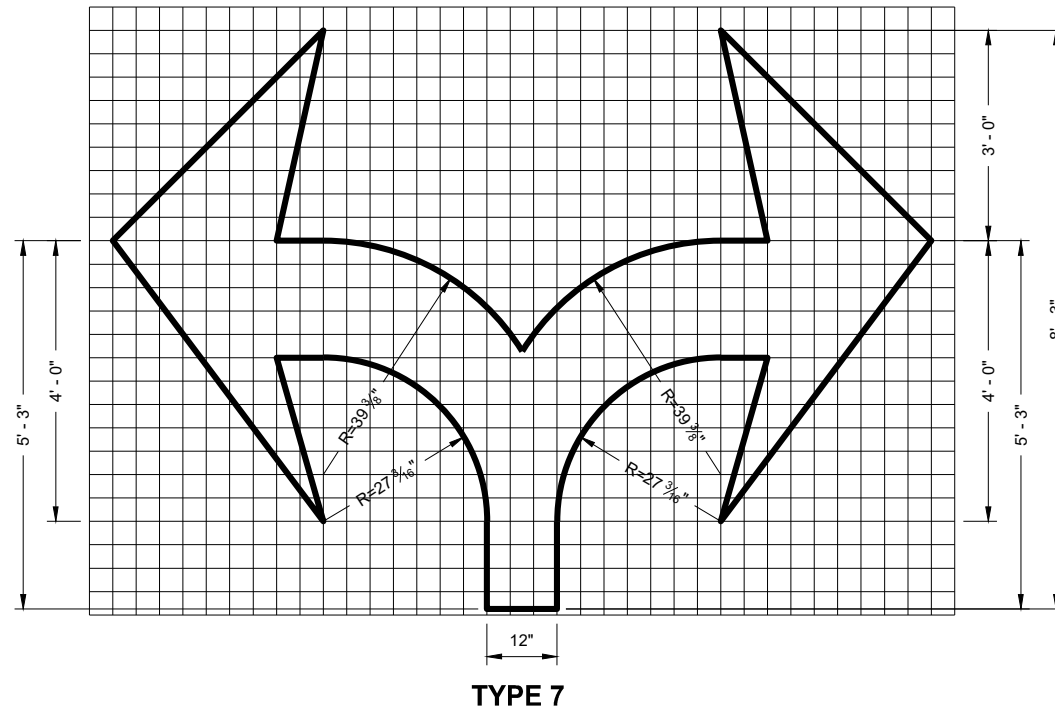
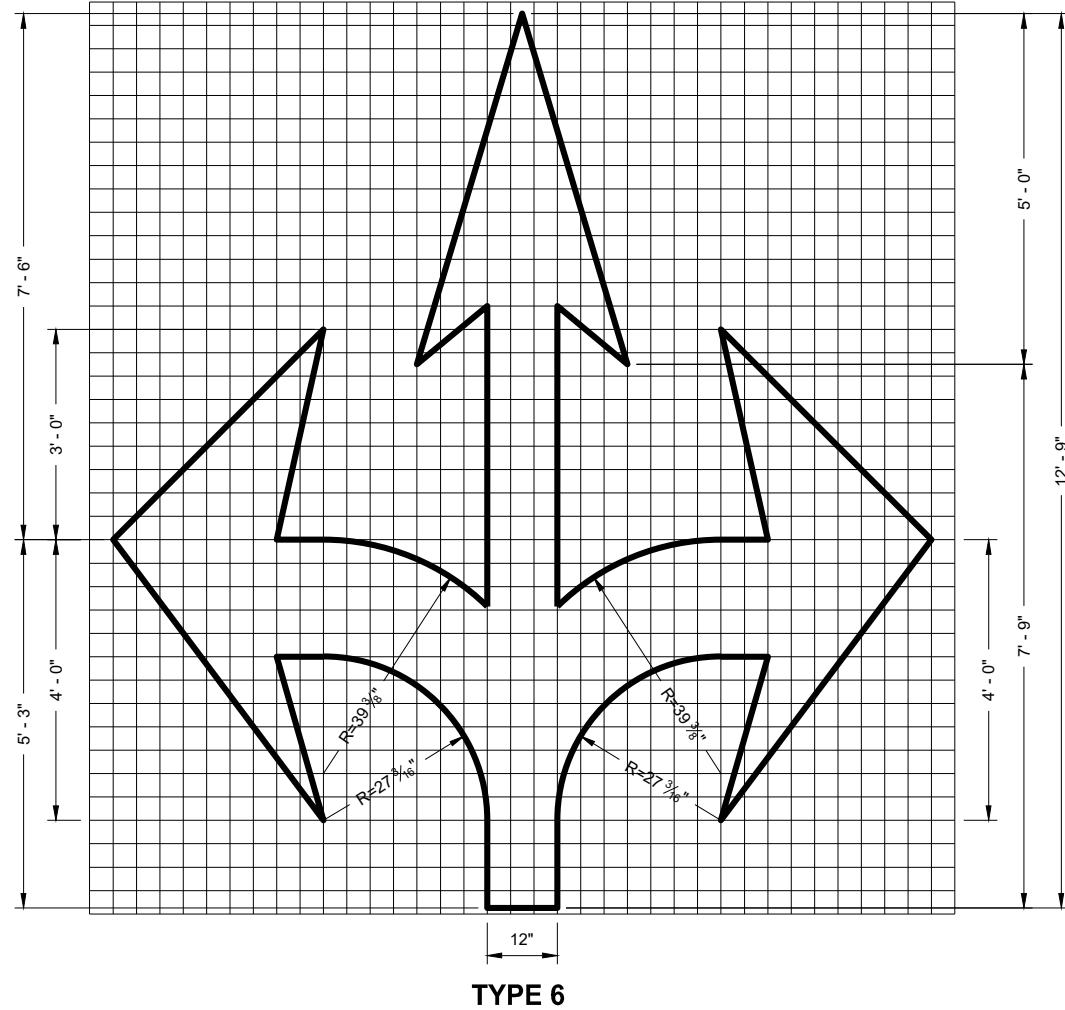
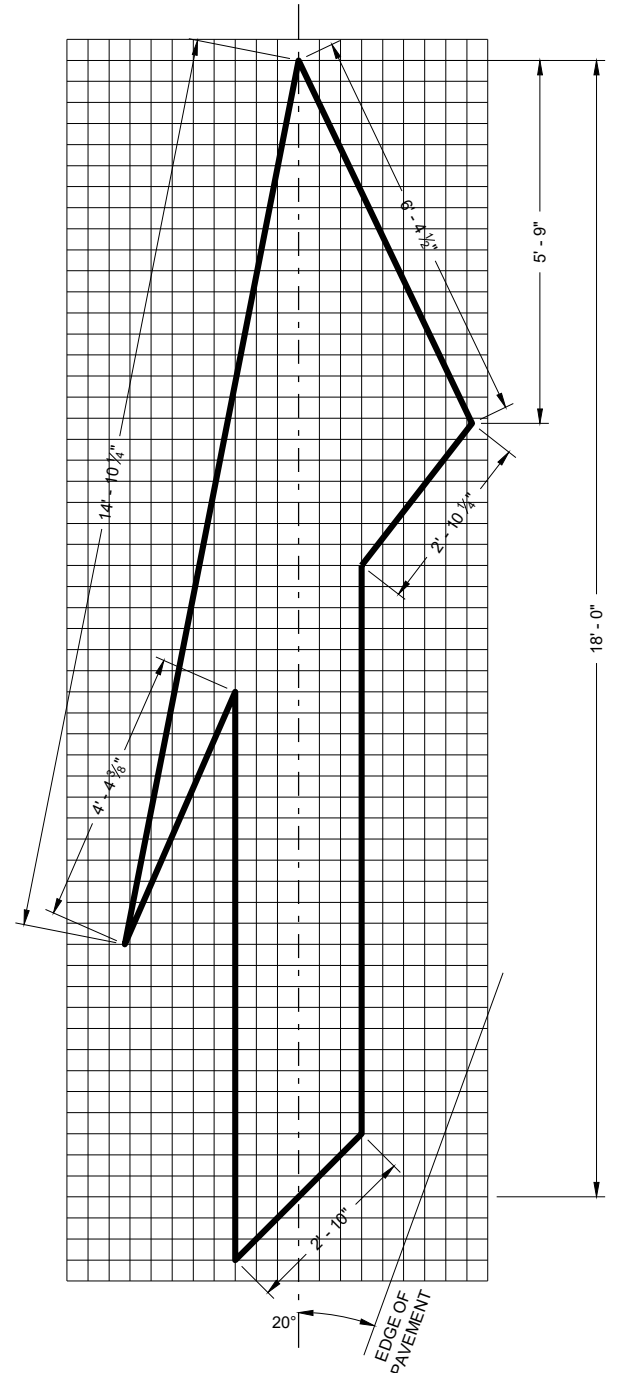
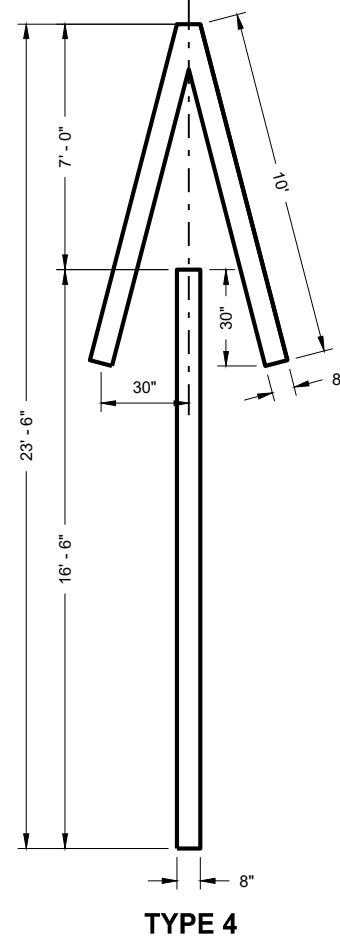
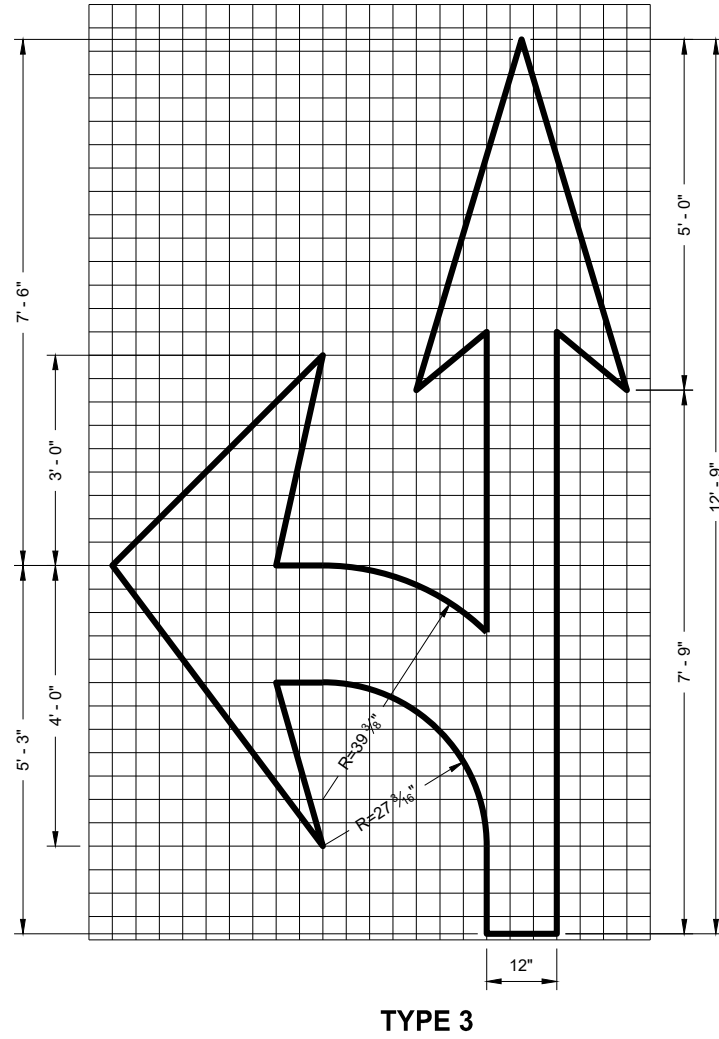
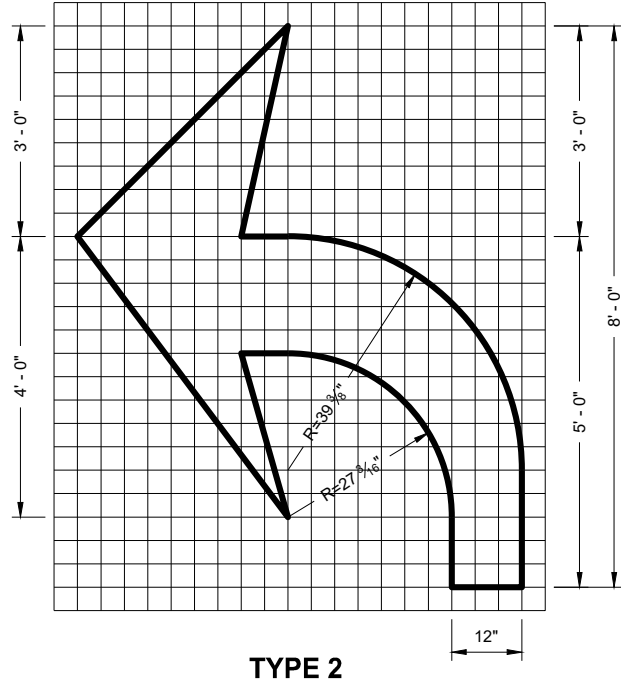
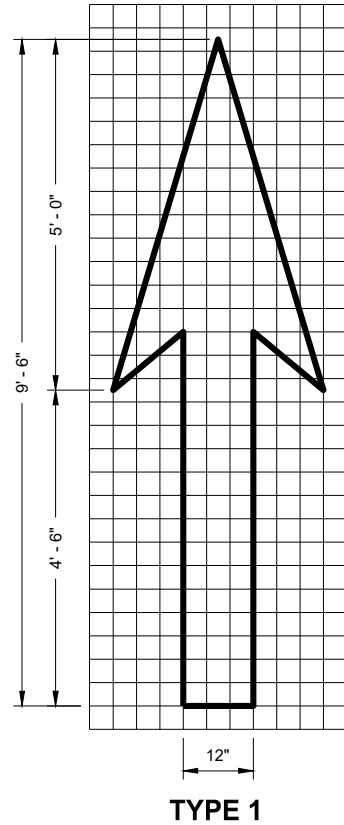
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019  
DATE

/S/ Matthew Rauch  
STATE SIGNING AND MARKING  
ENGINEER

FHWA





### GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

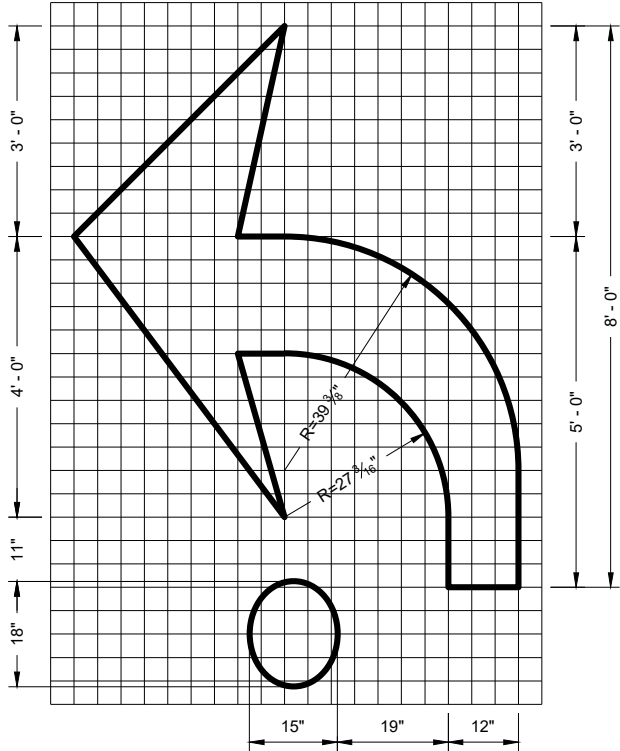
### PAVEMENT MARKING ARROWS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

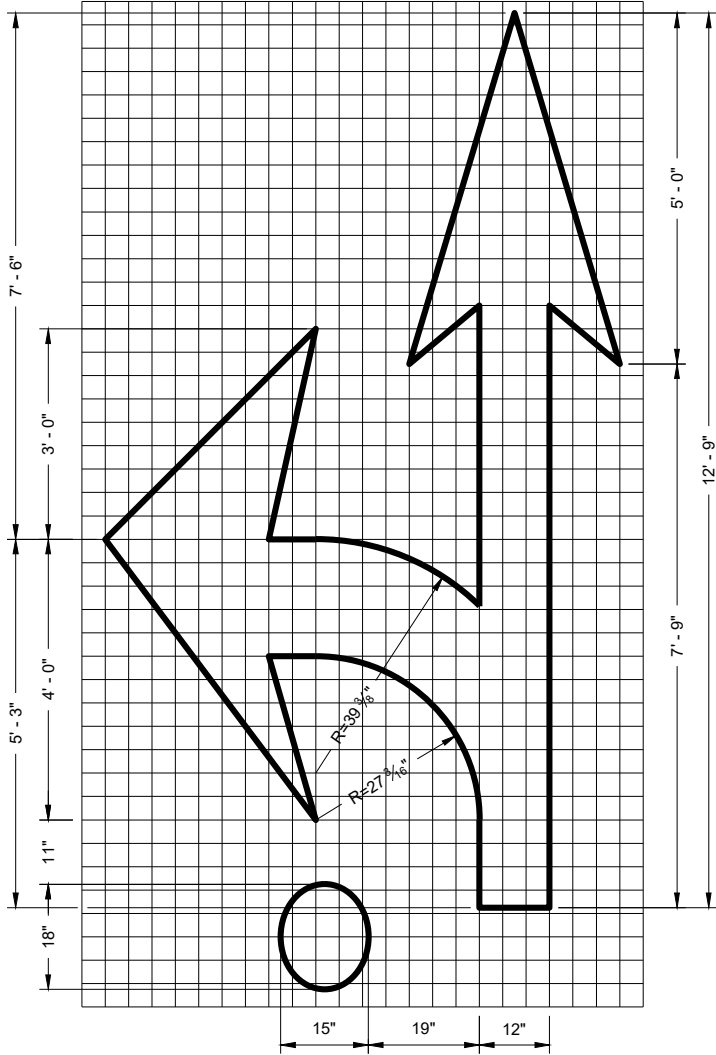
APPROVED  
November 2019  
DATE  
/S/ Matthew Rauch  
STATE SIGNING AND MARKING  
ENGINEER  
FHWA

GENERAL NOTES

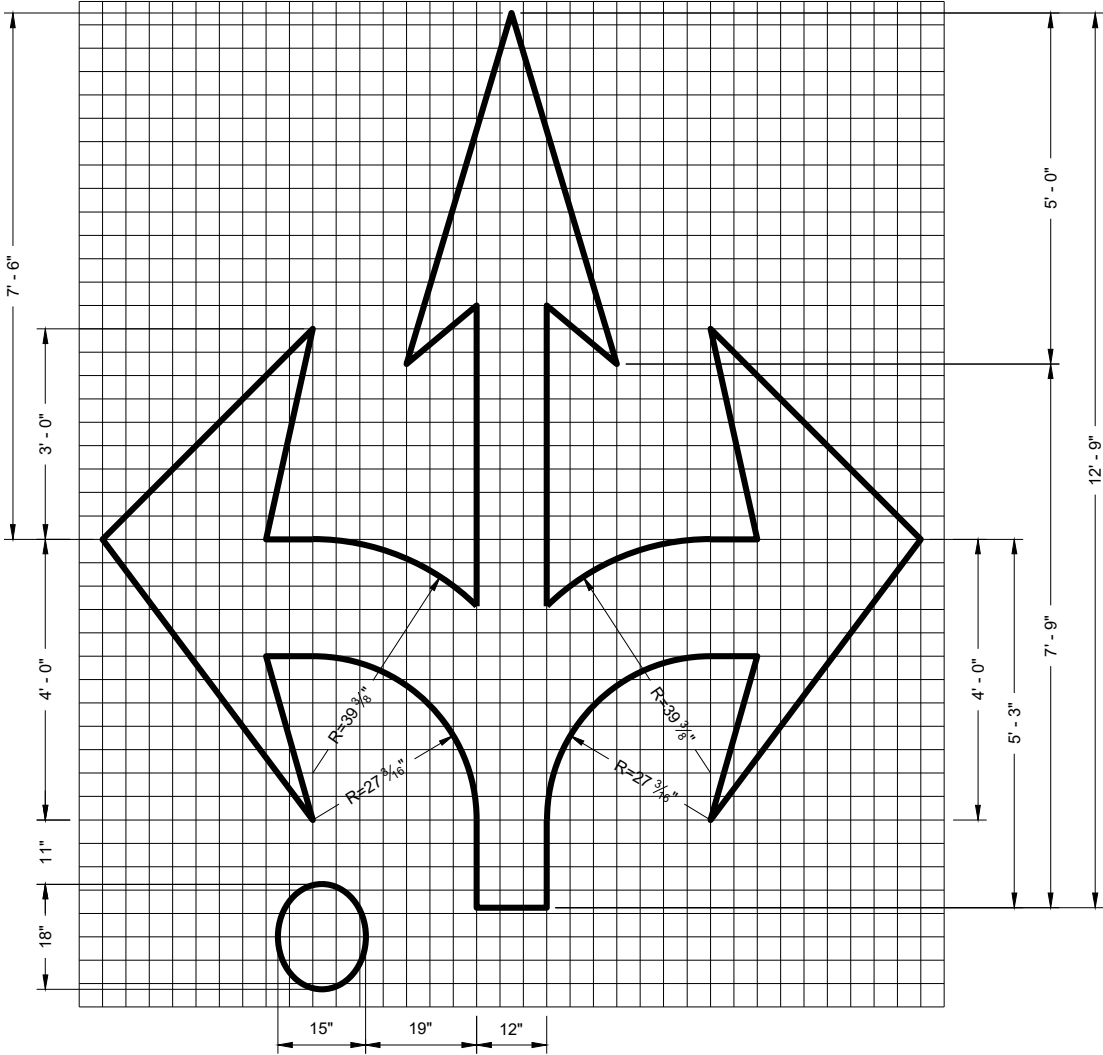
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



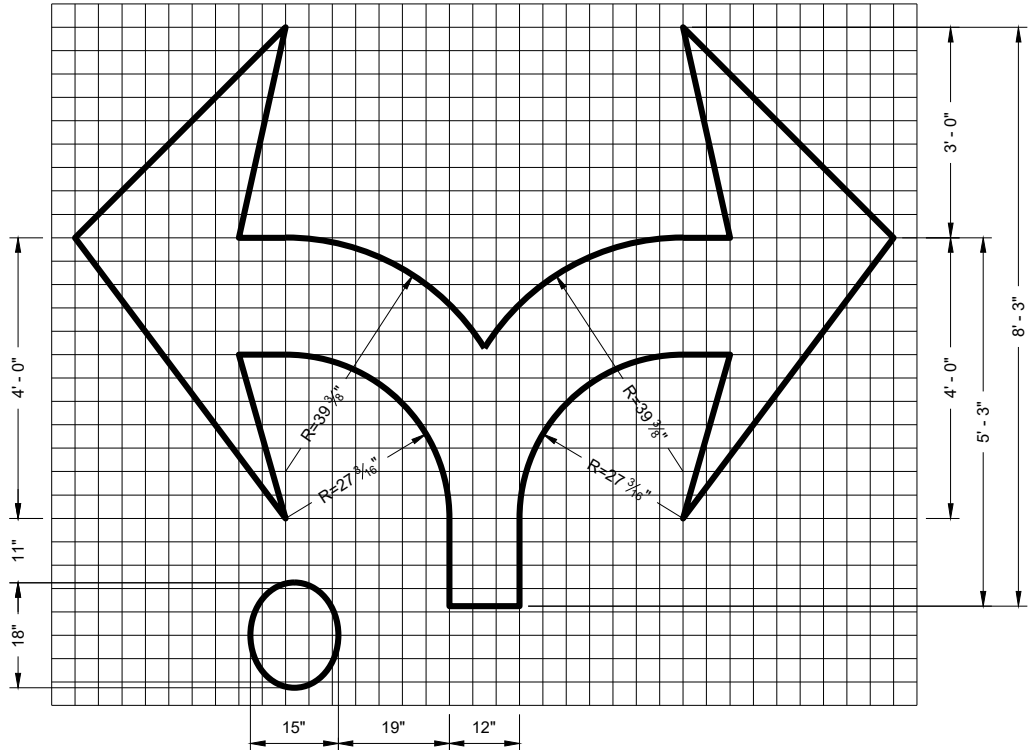
TYPE 2R



TYPE 3R



TYPE 6R

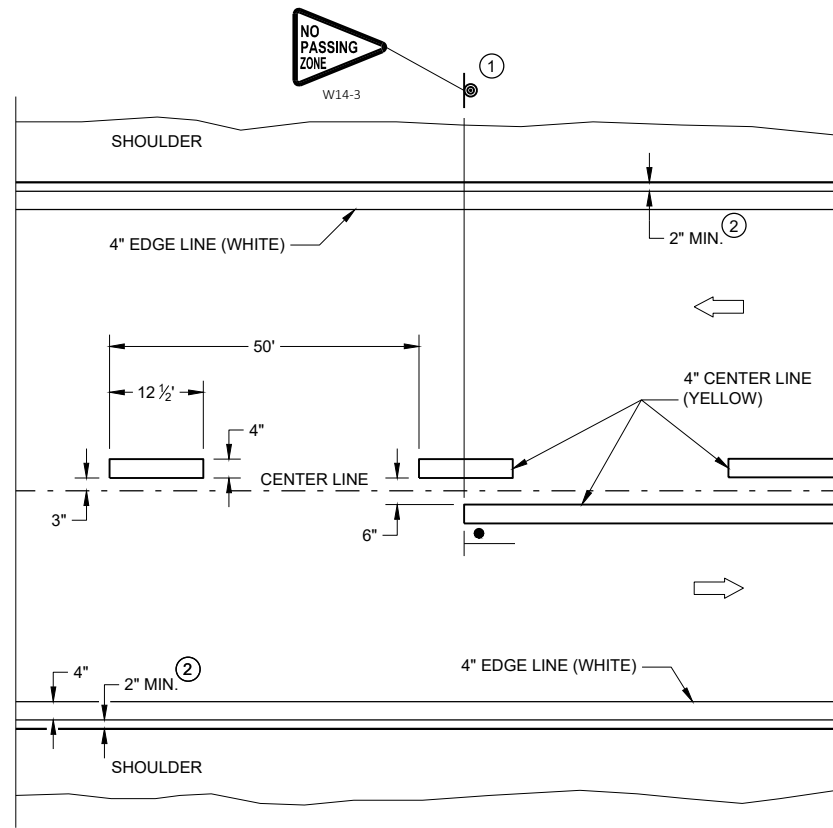


TYPE 7R

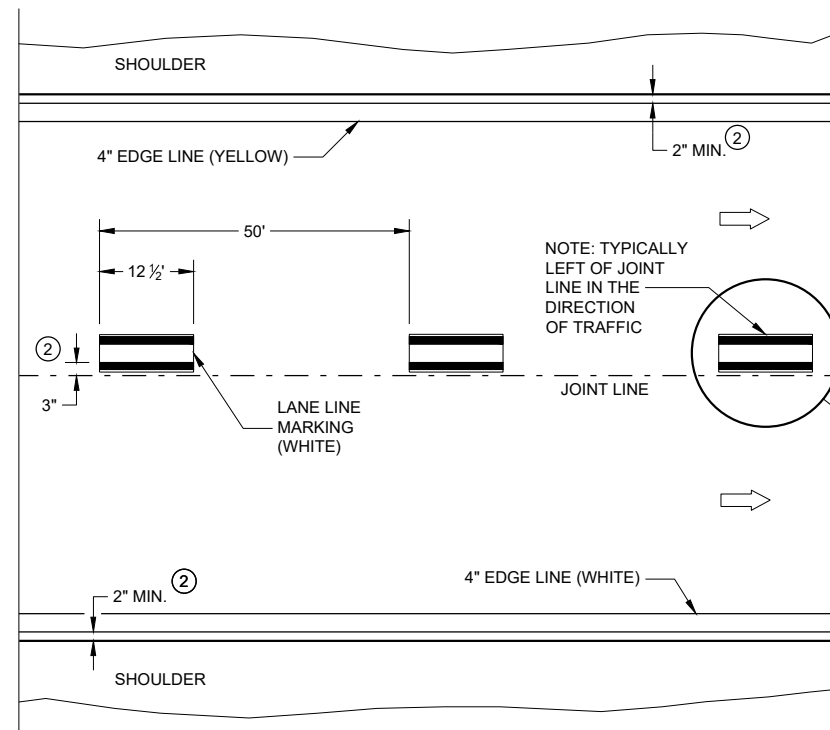
ROUNDBOUT  
MARKING ARROWS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING  
ENGINEER  
FHWA

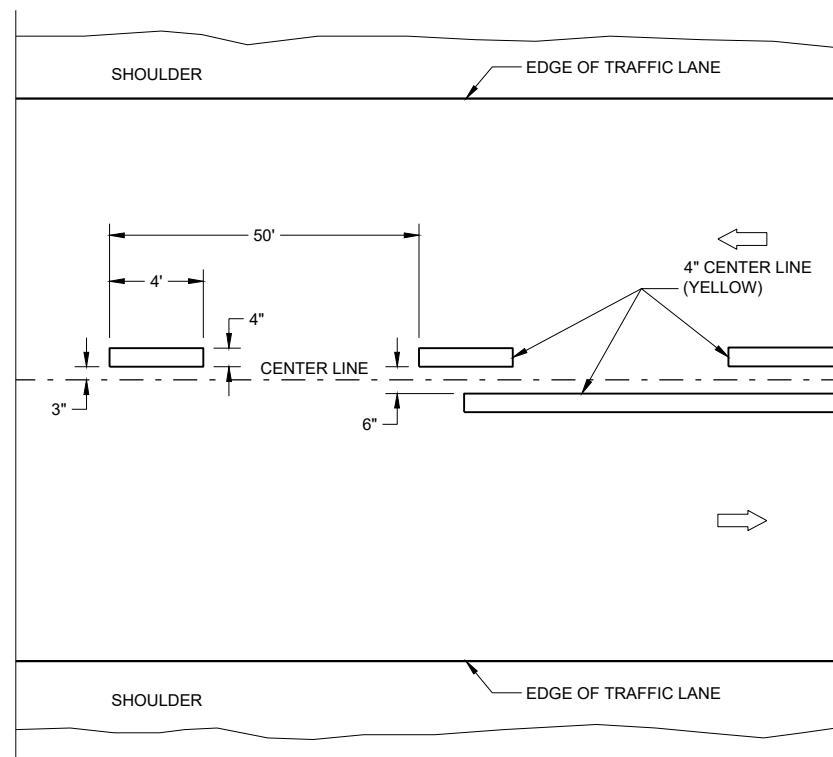


## TWO WAY TRAFFIC

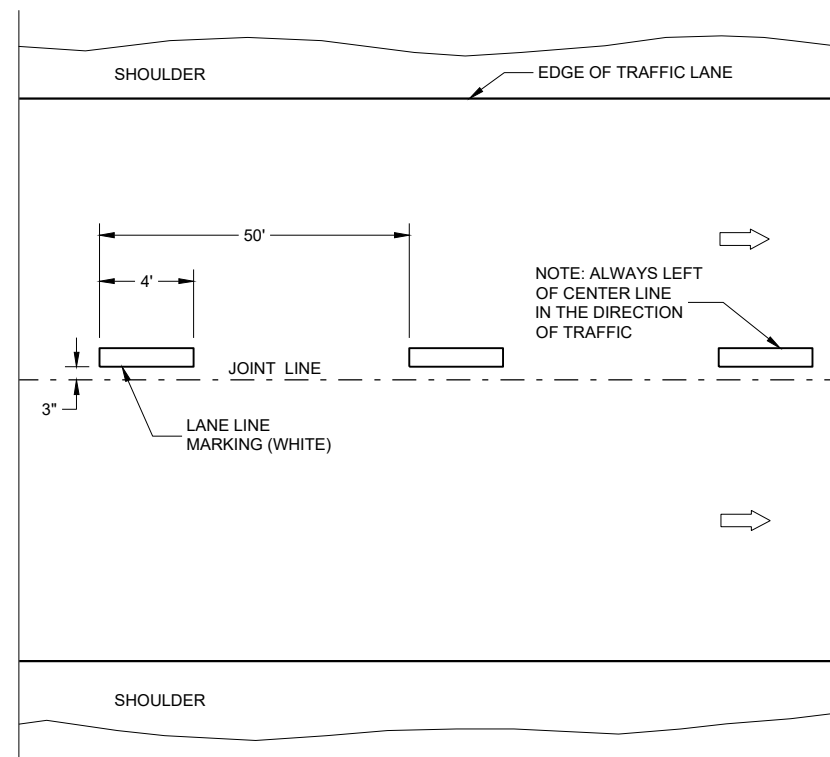


## ONE WAY TRAFFIC

## PERMANENT PAVEMENT MARKING



## TWO WAY TRAFFIC



## ONE WAY TRAFFIC




## TEMPORARY PAVEMENT MARKING

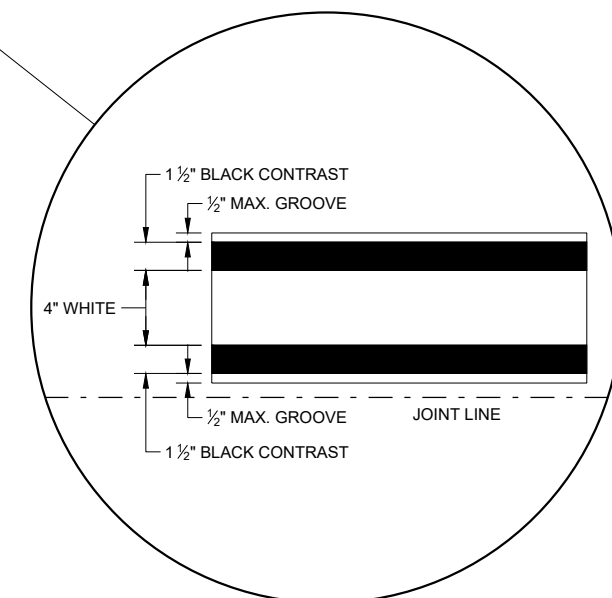
## GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM  
TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

## LEGEND

-  "T" MARKING  
 SIGN ON PERMANENT SUPPORT  
 DIRECTION OF TRAFFIC

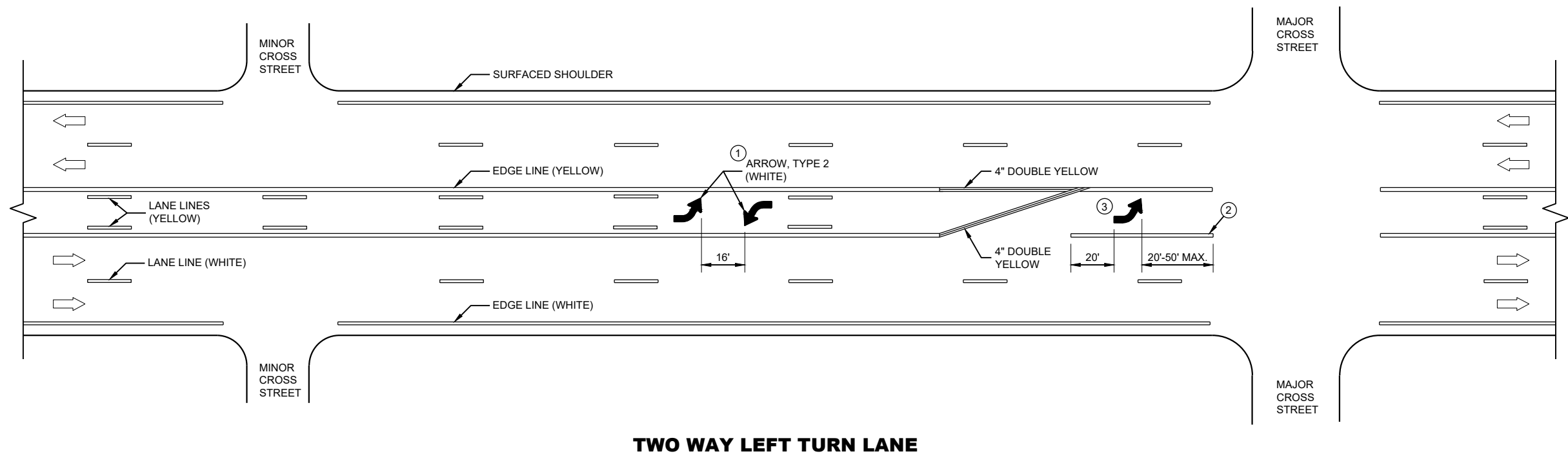


### LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2020  
DATE

/S/ Matthew Rauch  
STATEWIDE SIGNING AND MARKING  
ENGINEER



**GENERAL NOTES**

- ① A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ② 8" WHITE
- ③ TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

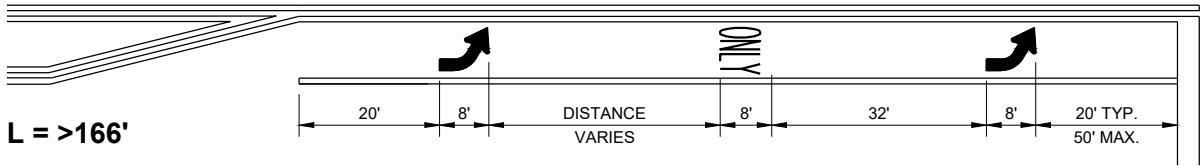
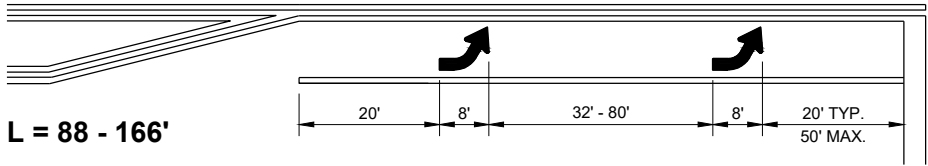
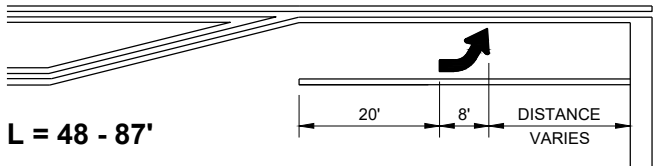
➡ DIRECTION OF TRAFFIC

**PAVEMENT MARKING  
(TURN LANES)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

TURN LANE OPTIONS

LENGTH OF TURN BAY ( L ) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



\*(SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

GENERAL NOTES

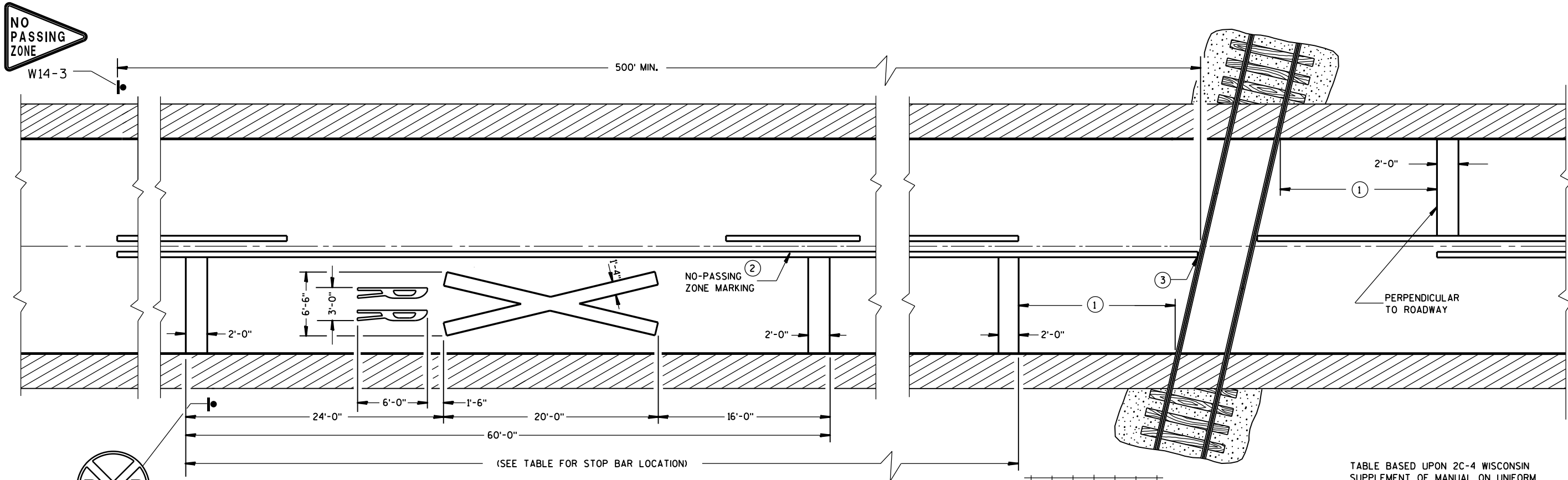
- ① 8" WHITE
- ② QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

➡ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

- ① MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

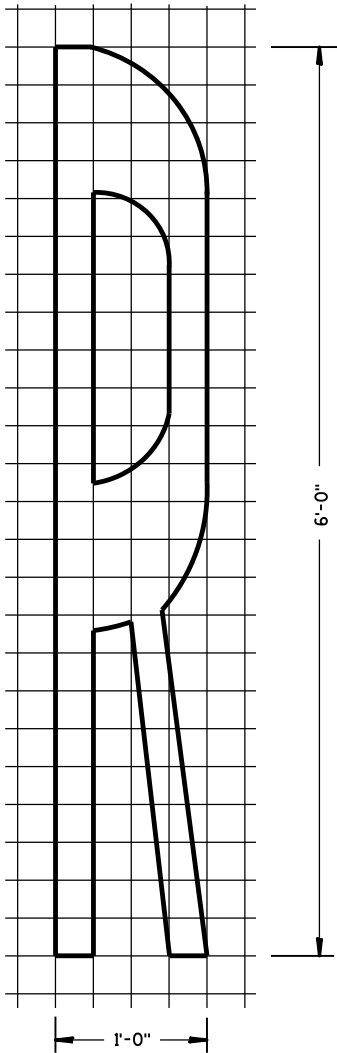


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250






\* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING  
DETAILS FOR RAILROAD-HIGHWAY  
GRADE CROSSINGS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
Sept., 2017 /S/ Matthew R. Rauch  
DATE STATE SIGNING AND MARKING ENGINEER  
FHWA

LEGEND

-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

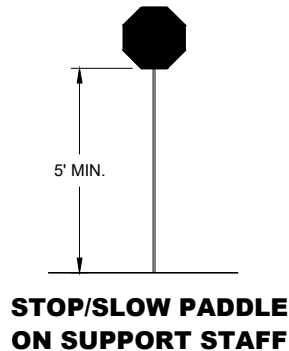
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

- FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.
- FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
  - SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.
- TEMPORARY PORTABLE RUMBLE STRIPS**
- UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.
- EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.
- ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.
- INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.
- DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

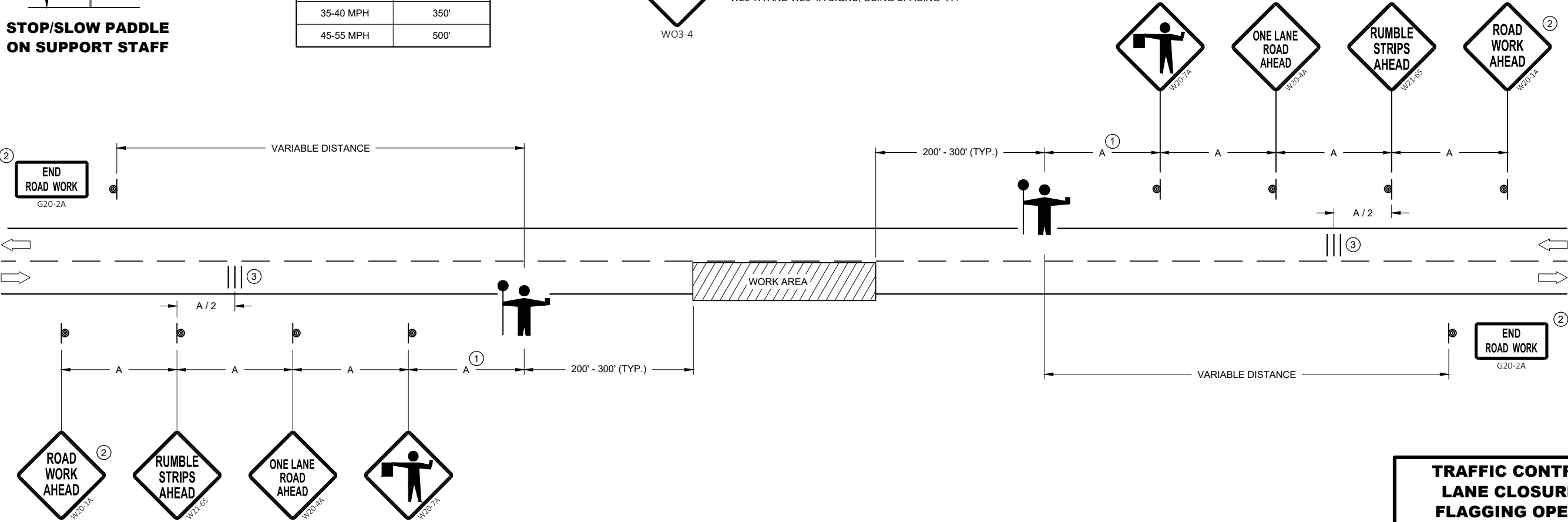


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

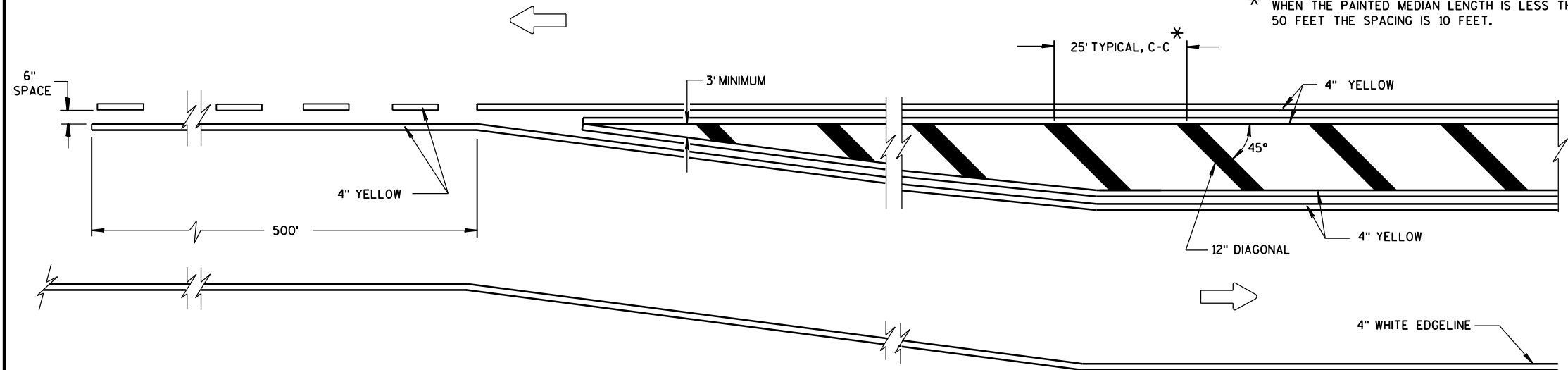
**TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2019  
DATE

/S/ Andrew Heidtke  
WORK ZONE ENGINEER

FHWA

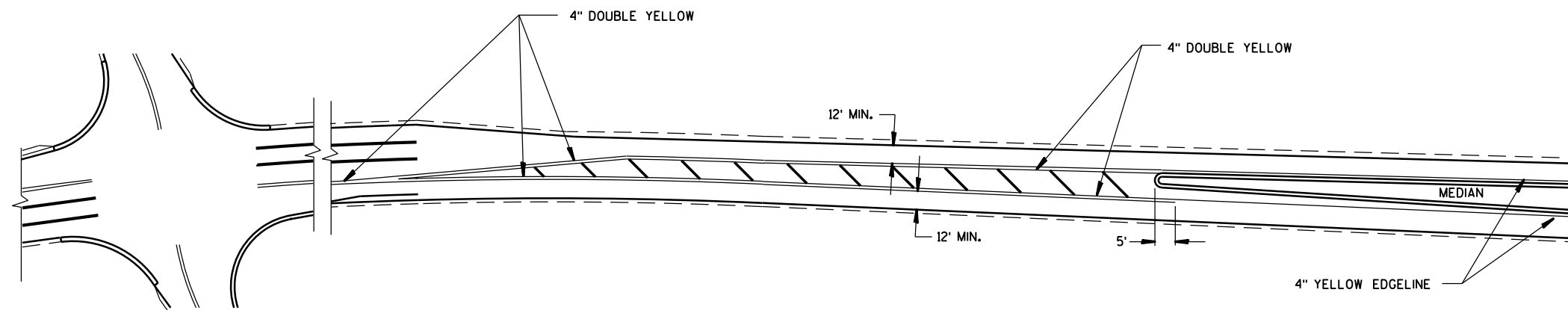


**MEDIAN ISLAND DETAIL**

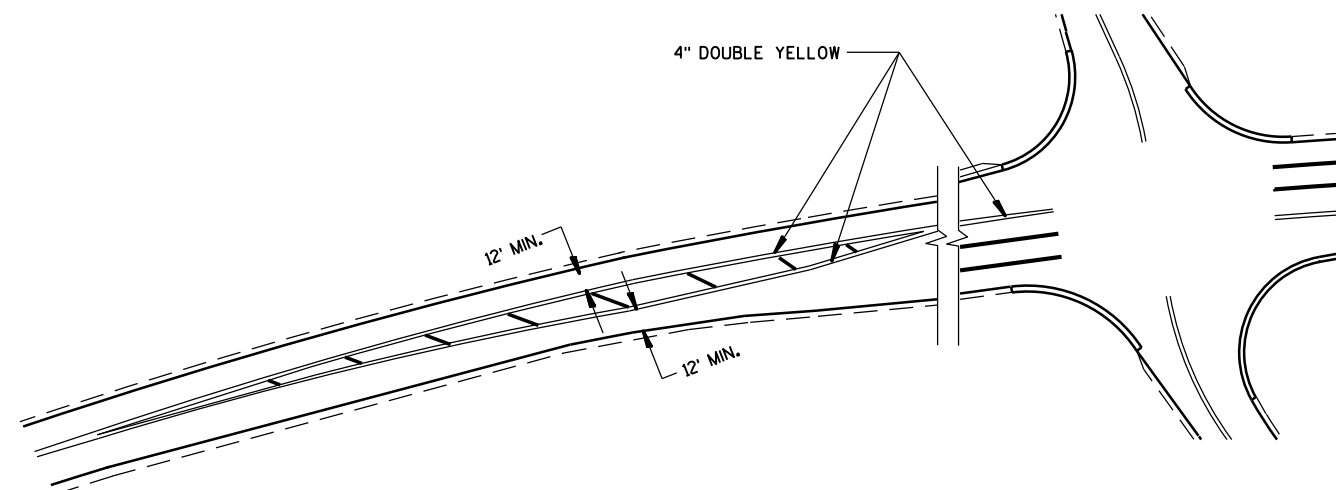
**GENERAL NOTE**

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

➡ DIRECTION OF TRAVEL



**APPROACH MARKINGS FOR OTHER MEDIAN TYPES**



**NON APPROACH MARKINGS**





**MEDIAN ISLAND MARKING**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
June 2017 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING ENGINEER  
FHWA



LEGEND

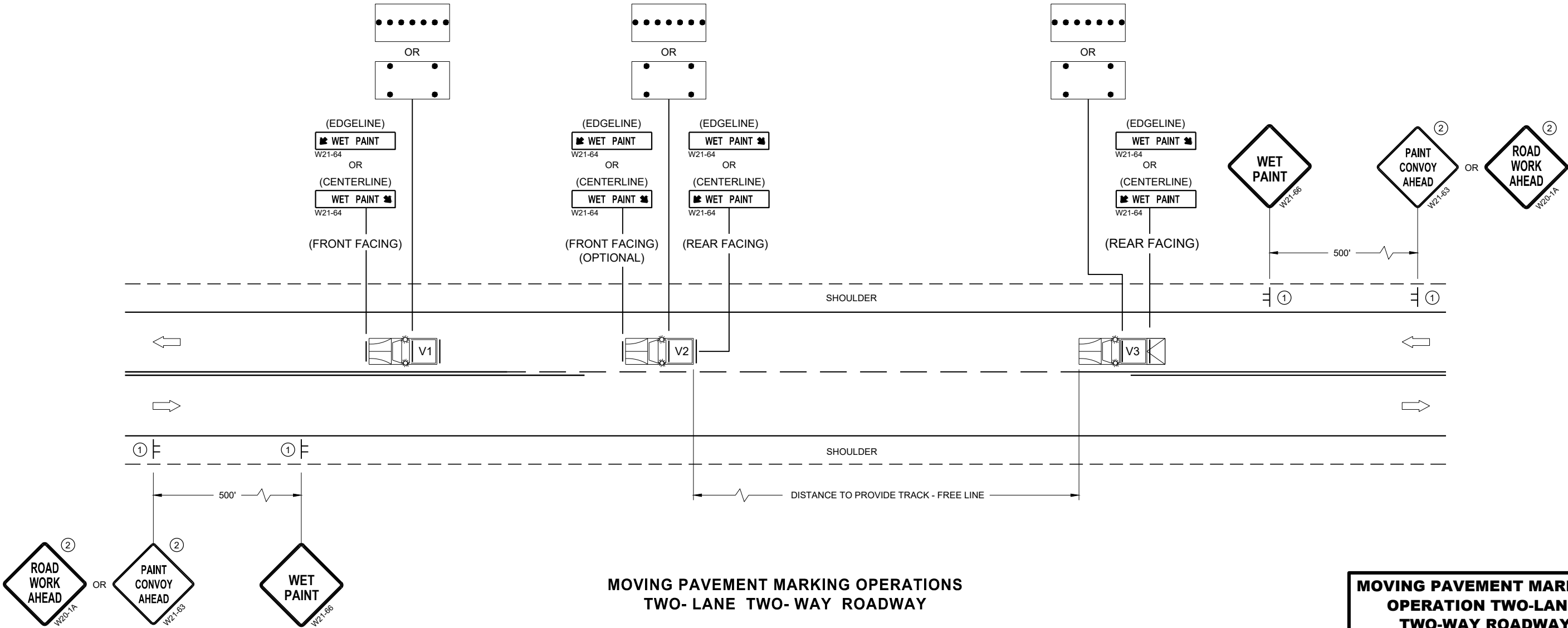
- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.
- CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- CONES SHALL BE A MINIMUM OF 18" FOR WET PAVEMENT MARKING .

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.








MOVING PAVEMENT MARKING OPERATIONS  
TWO-LANE TWO-WAY ROADWAY

MOVING PAVEMENT MARKING  
OPERATION TWO-LANE  
TWO-WAY ROADWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER  
FHWA

LEGEND

- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (MERGE)
-  FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

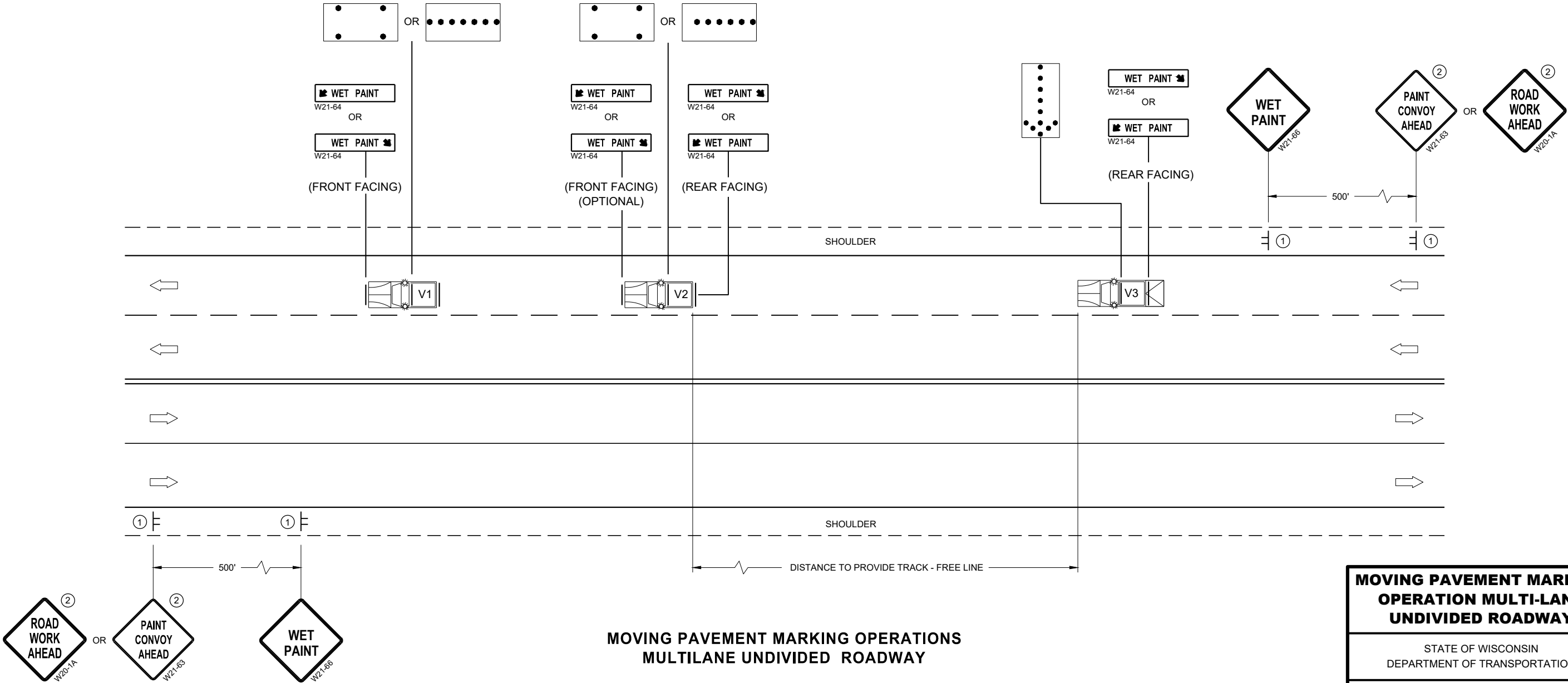
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL HAVE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS.

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



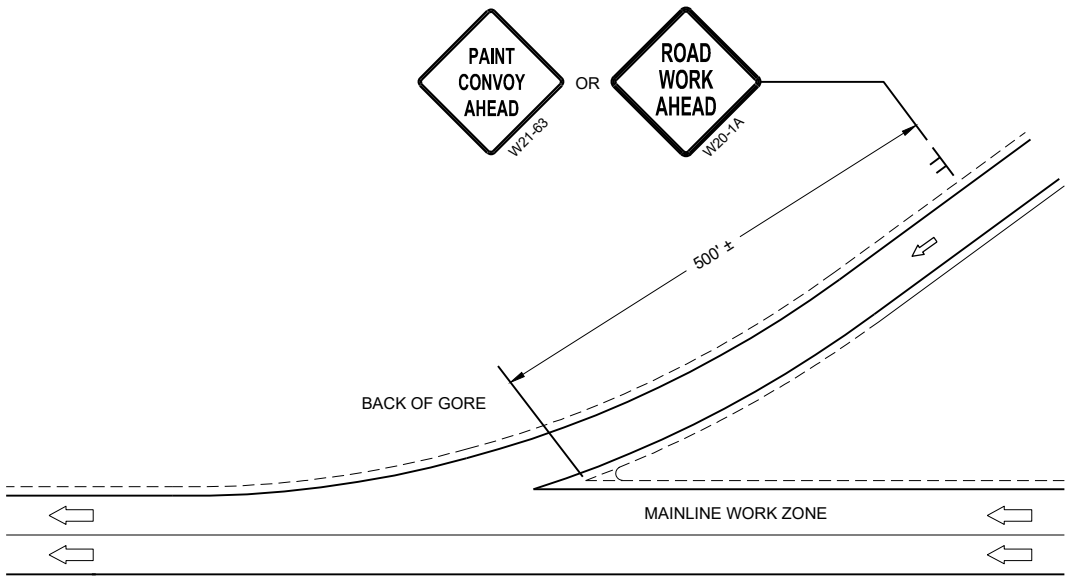
MOVING PAVEMENT MARKING  
OPERATION MULTI-LANE  
UNDIVIDED ROADWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER  
FHWA

LEGEND

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

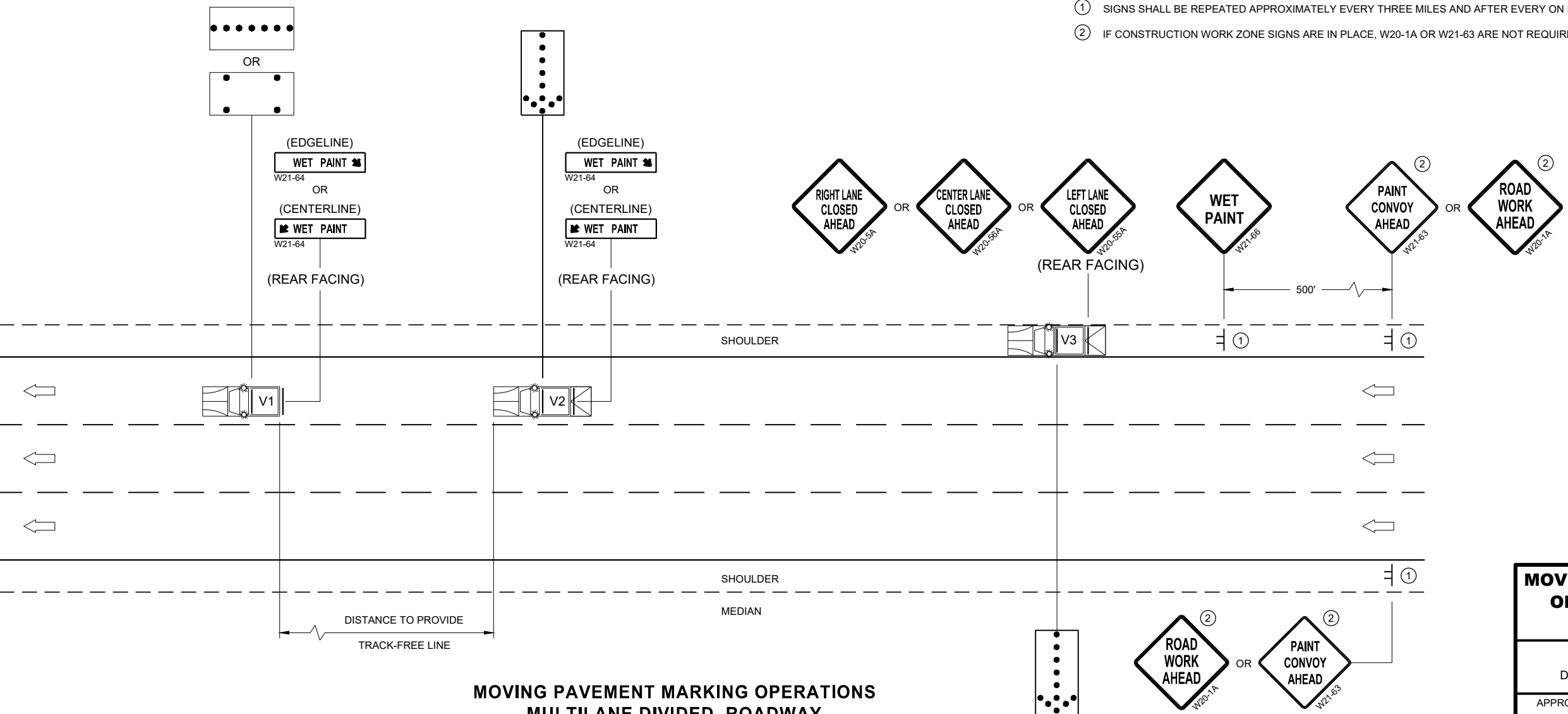
IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



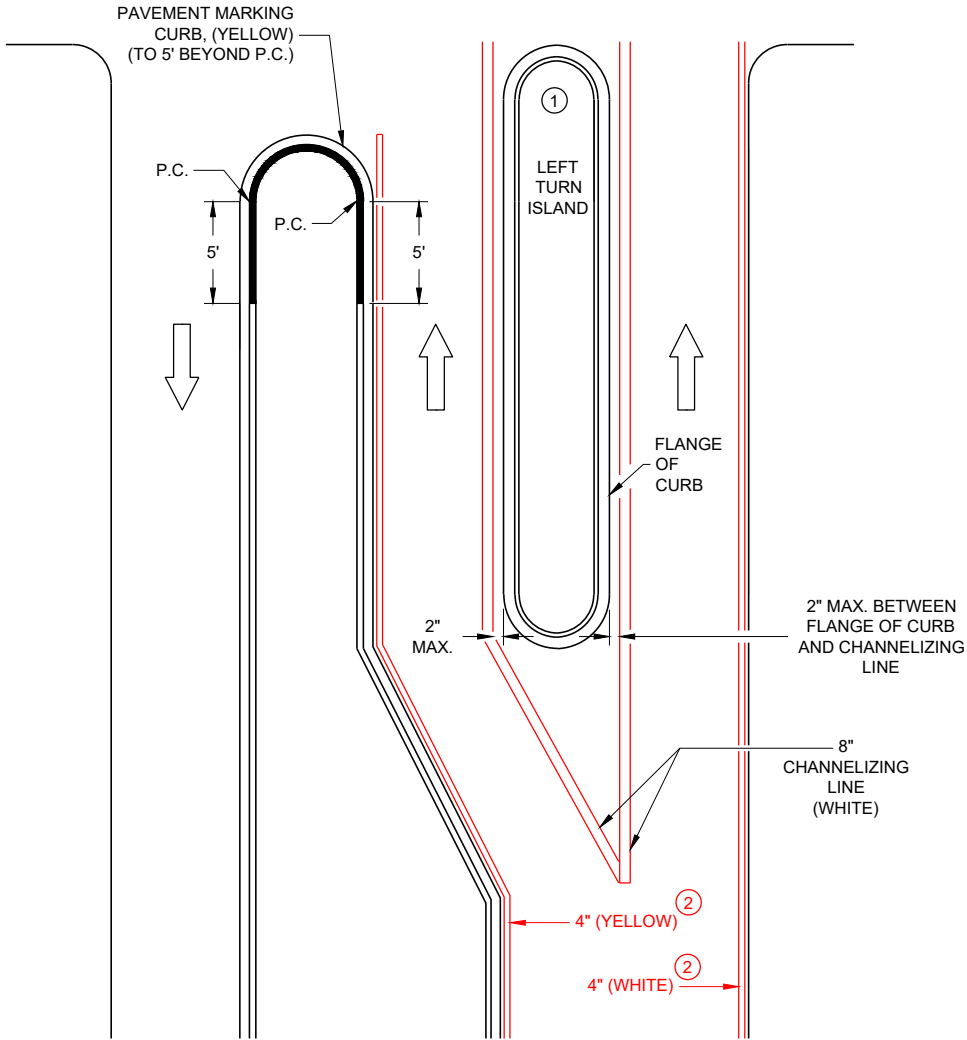
MOVING PAVEMENT MARKING OPERATIONS  
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING  
OPERATION MULTI-LANE  
DIVIDED ROADWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER  
FHWA

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



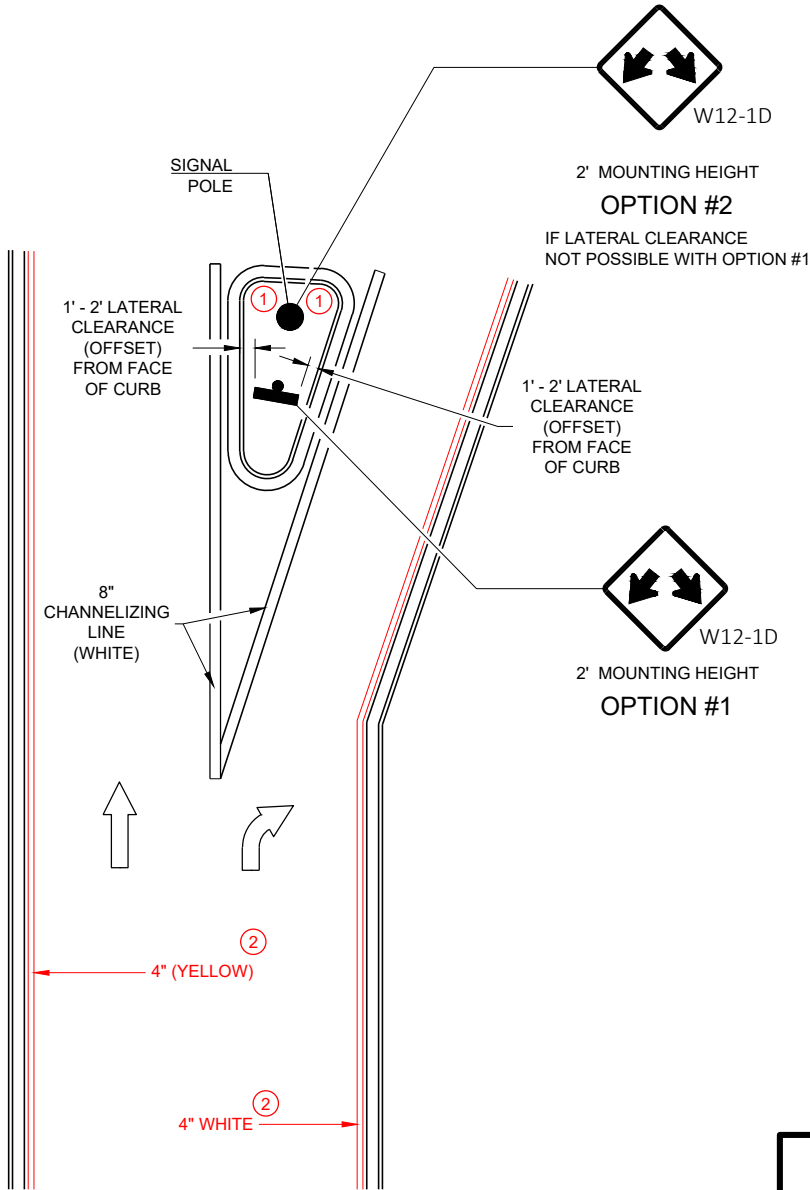
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.  
SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

- ① MARK CURB NOSES YELLOW.
- ② MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

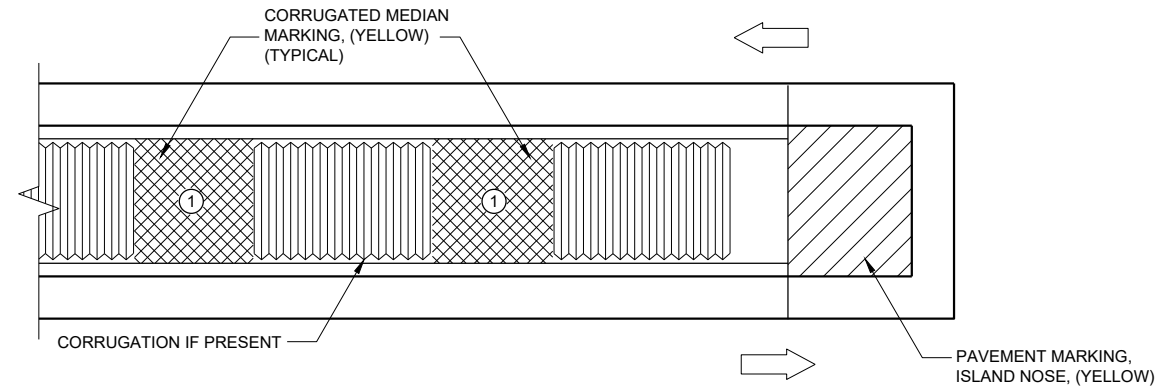
DOUBLE ARROW  
WARNING SIGN PLACEMENT

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

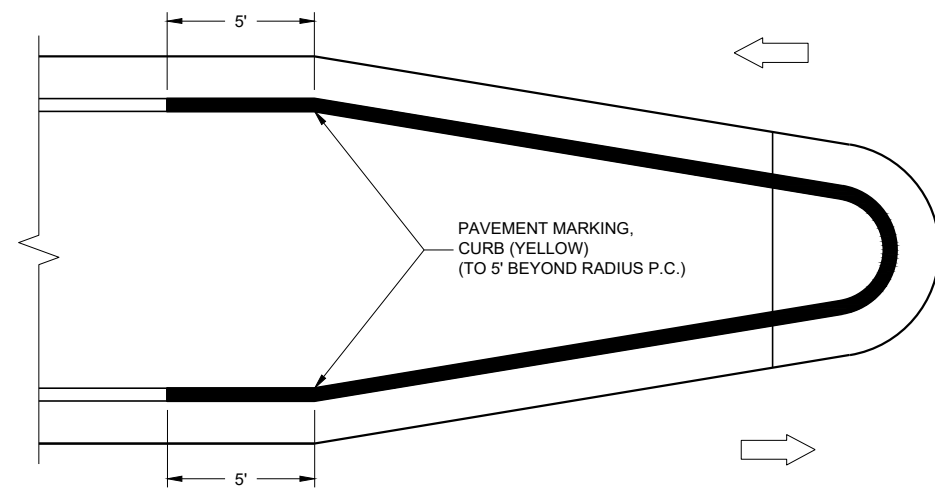
APPROVED  
7/2018  
DATE

/S/ Matthew R. Rauch  
STATE SIGNING AND MARKING  
ENGINEER

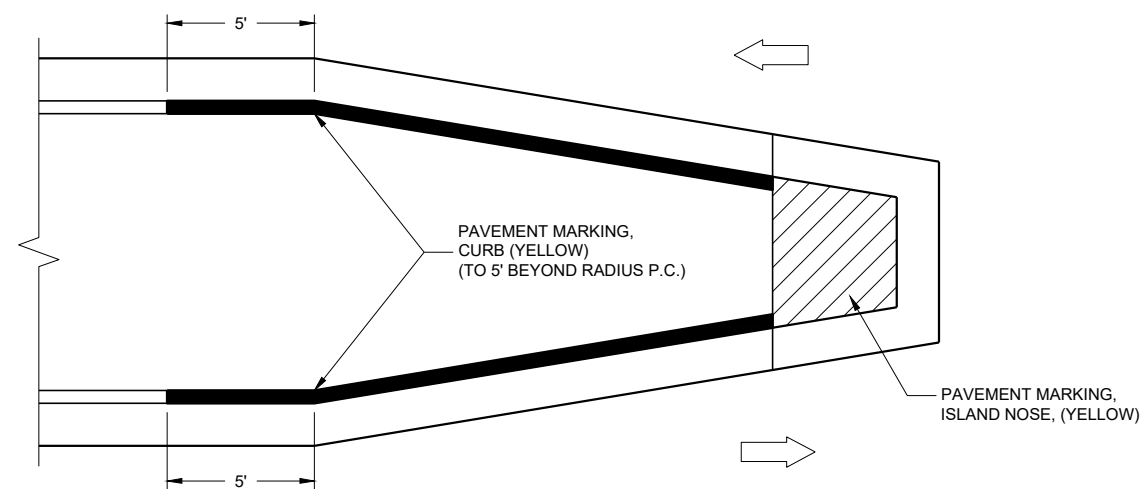
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE







MEDIAN ISLAND WITH ROUND BLUNT NOSE



TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

## GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

-  ISLAND NOSE MARKING
-  CURB MARKING
-  CORRUGATED MEDIAN MARKING
-  DIRECTION OF TRAVEL

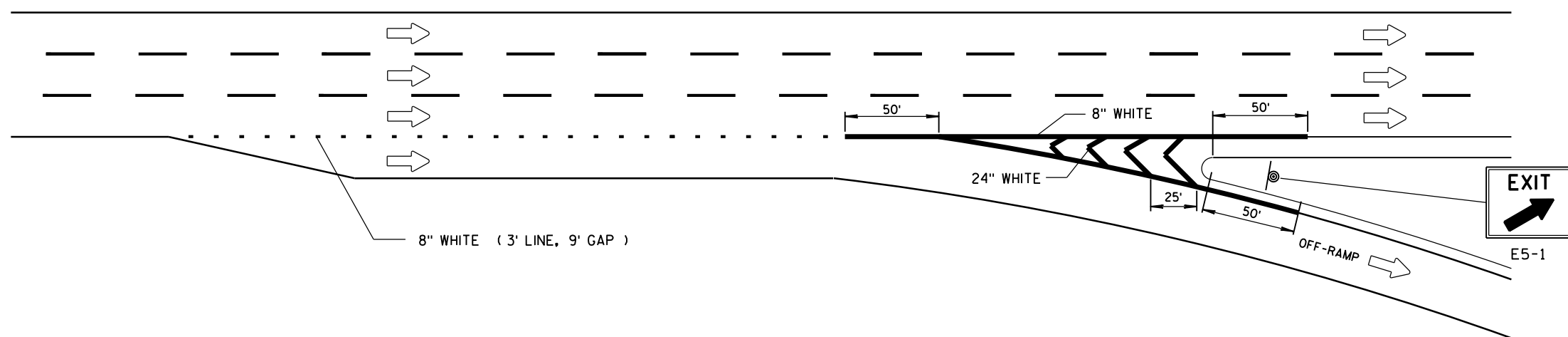
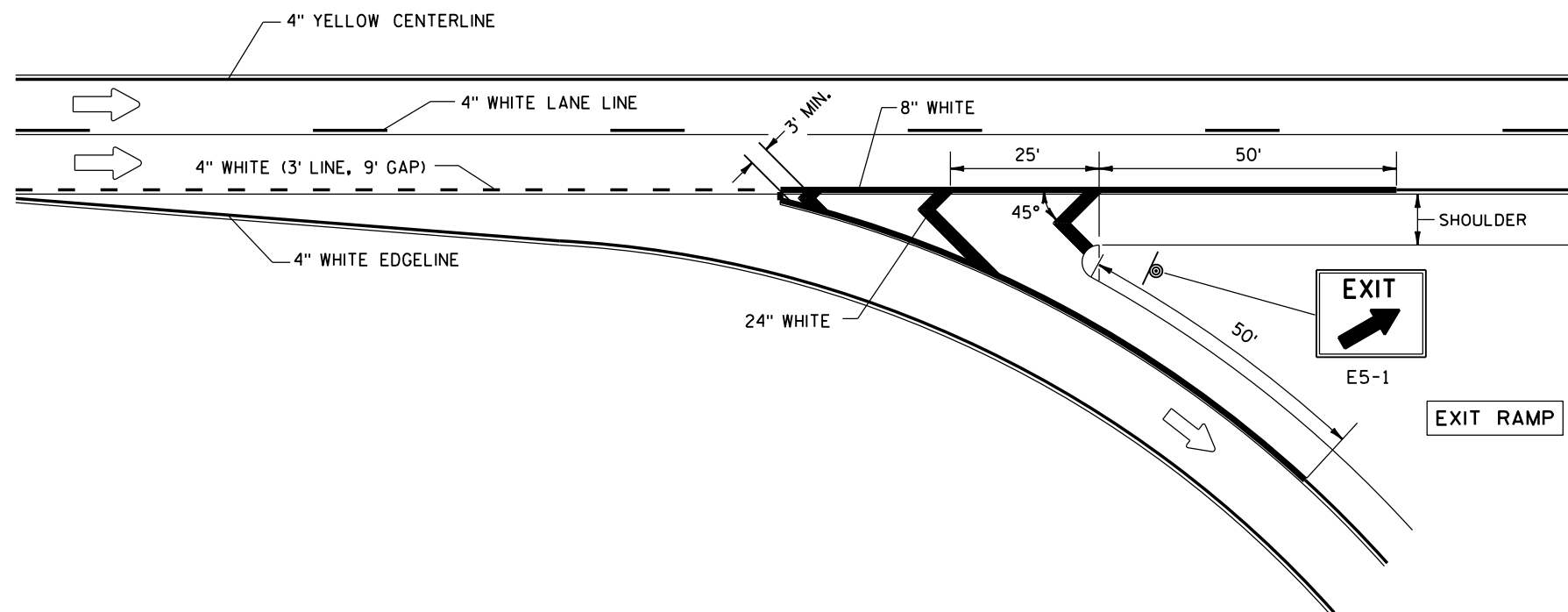
## PAVEMENT MARKINGS (ISLANDS)

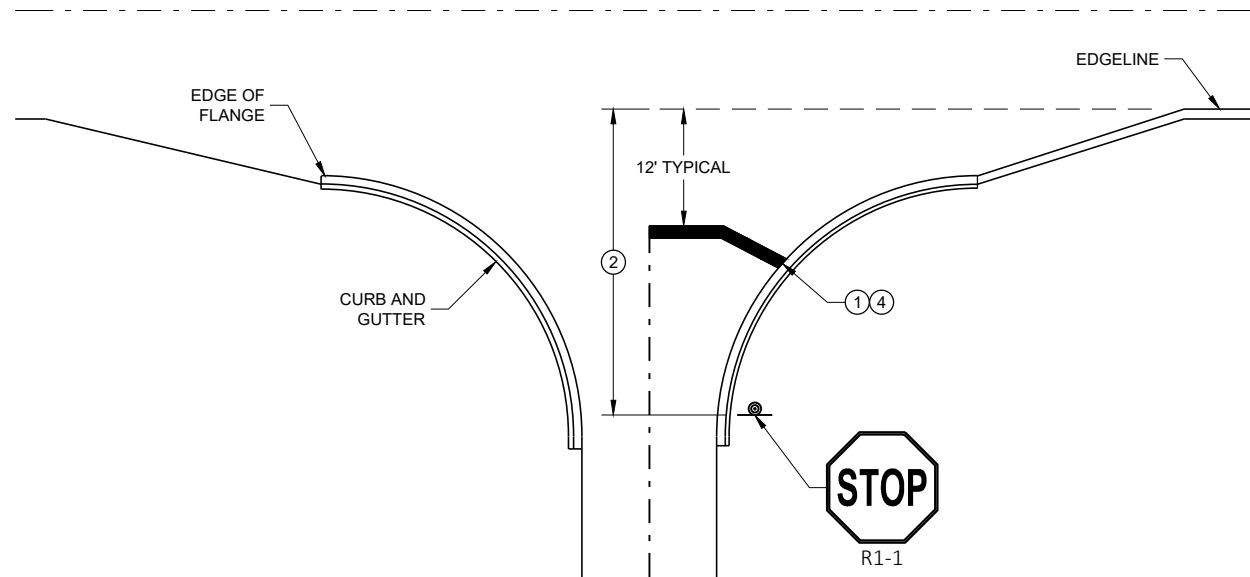
STATE OF WISCONSIN  
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APPROVED  
7/2018  
DATE

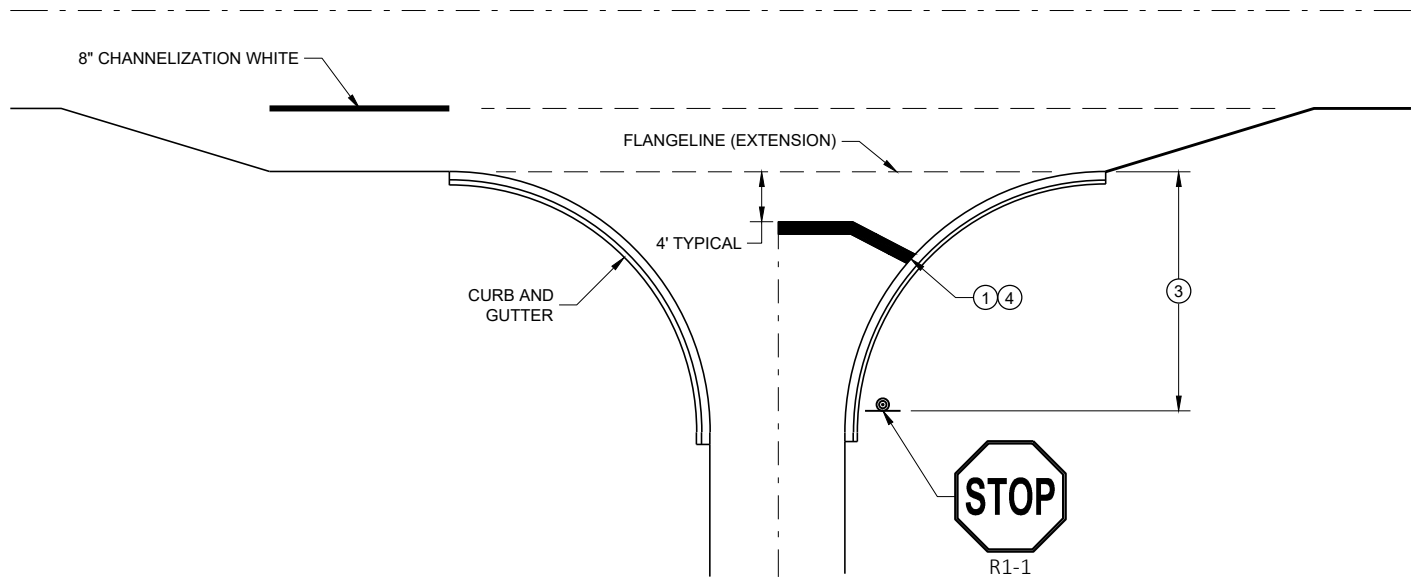
/S/ Matthew R. Rauch  
STATE SIGNING AND MARKING  
ENGINEER

FHWA

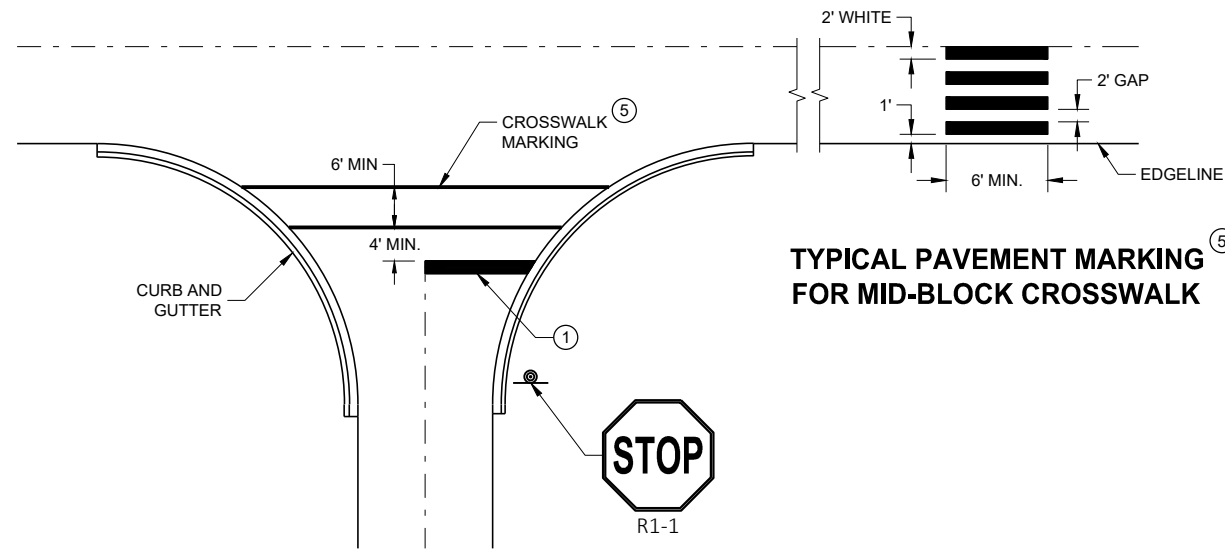




TYPICAL STOP LINE PAVEMENT MARKING  
WITH CURB AND GUTTER

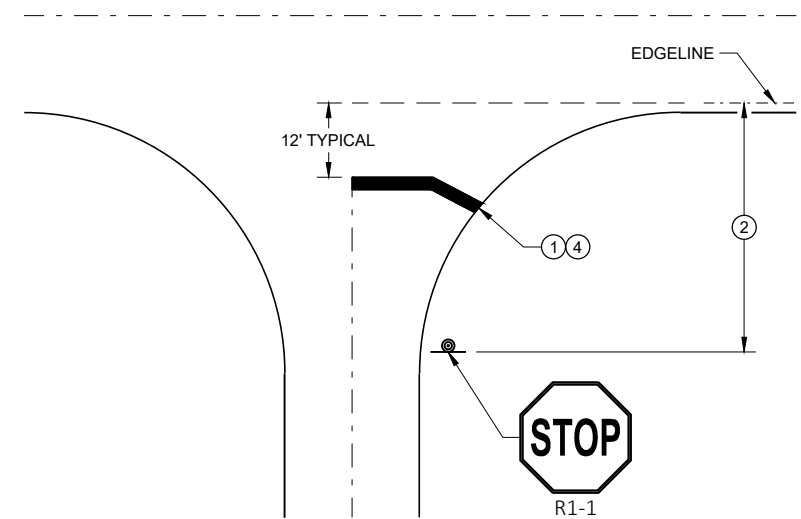


TYPICAL STOP LINE PAVEMENT MARKING  
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR  
SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING  
FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING  
WITHOUT CURB AND GUTTER

GENERAL NOTES

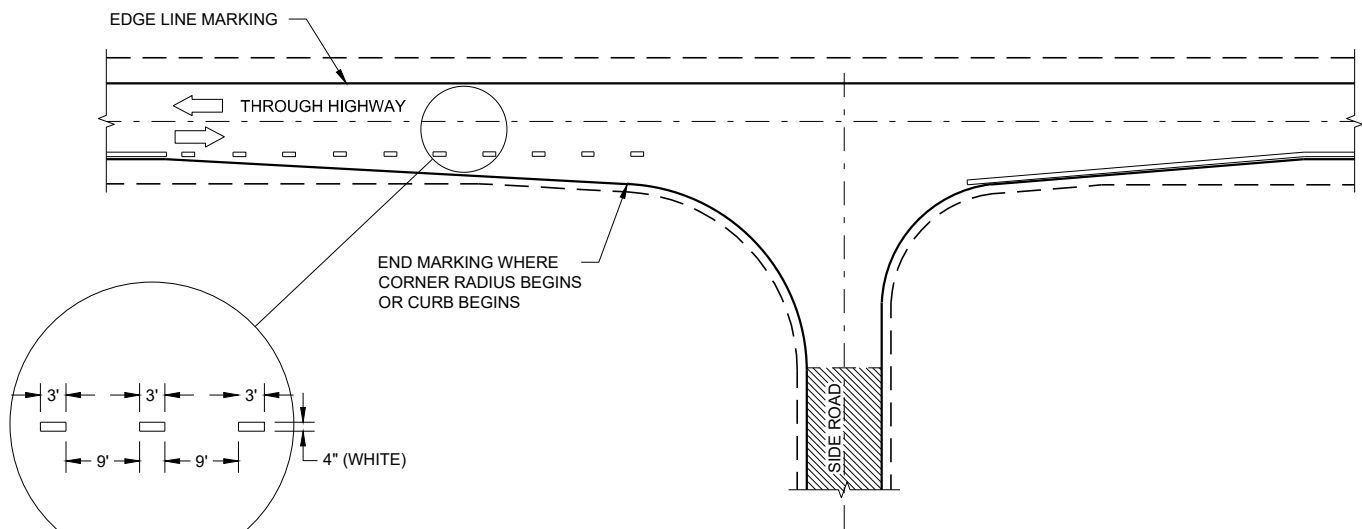
STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGE LINE LOCATION.

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE.
- 3 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
- 4 MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
- 5 LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.

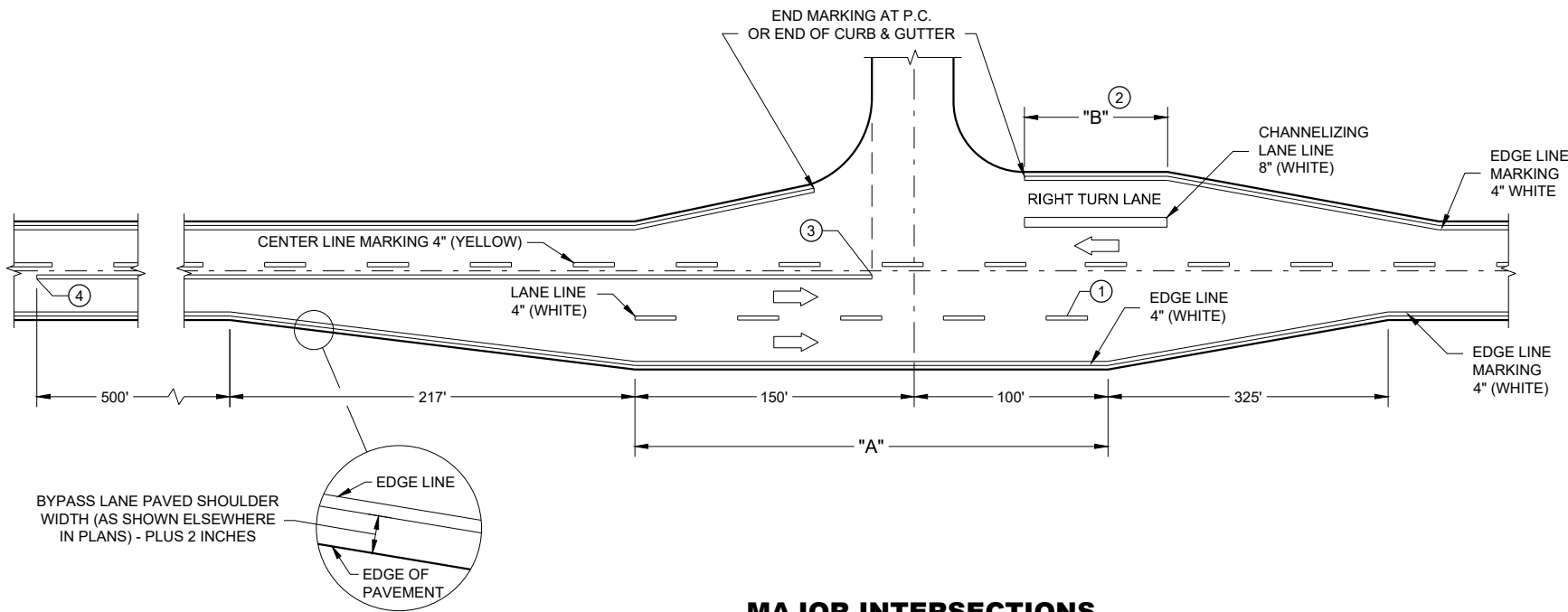
STOP LINE AND CROSSWALK  
PAVEMENT MARKING

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING  
ENGINEER  
FHWA



MINOR INTERSECTION



MAJOR INTERSECTIONS  
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

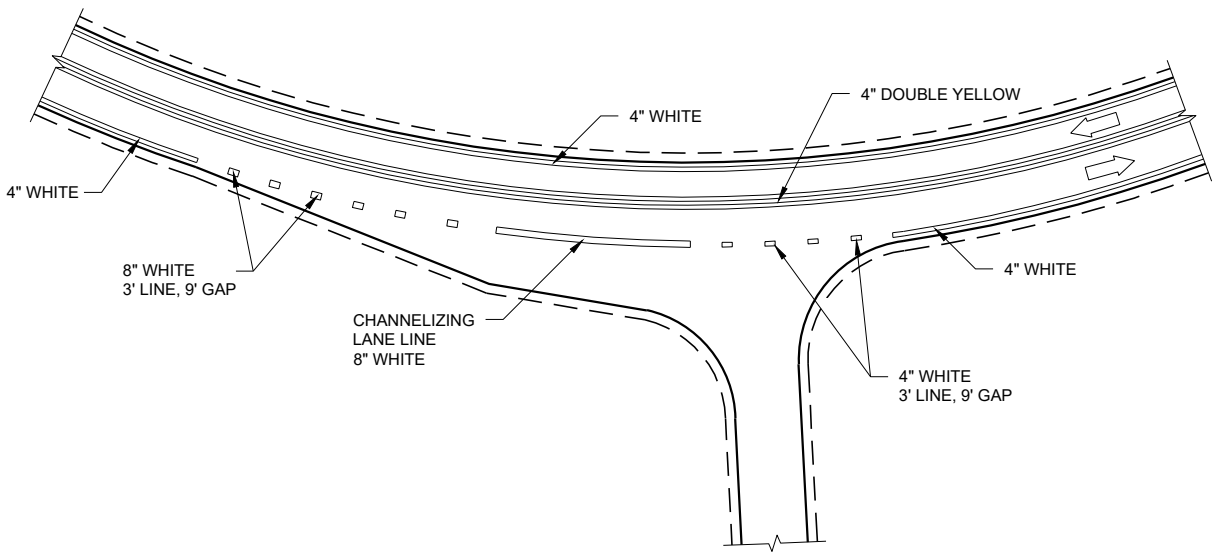
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

➡ DIRECTION OF TRAVEL

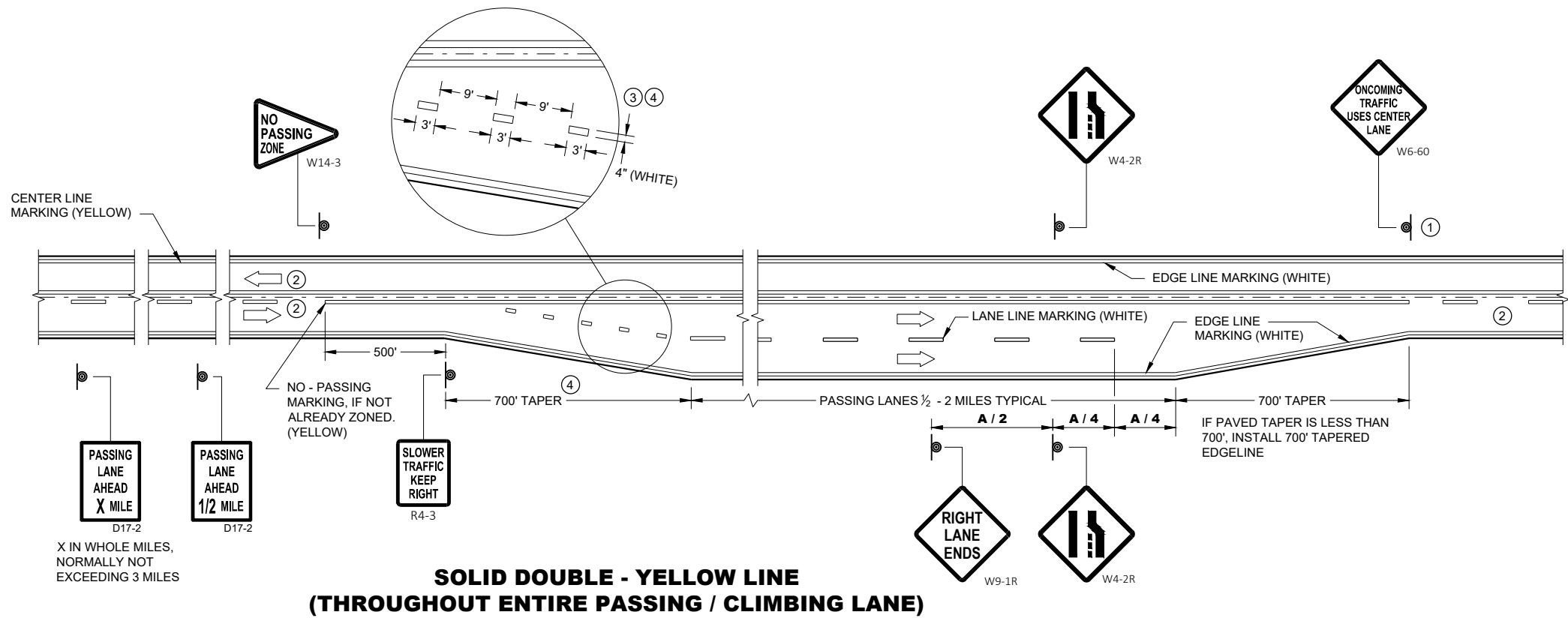


INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING  
(INTERSECTIONS)


STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION





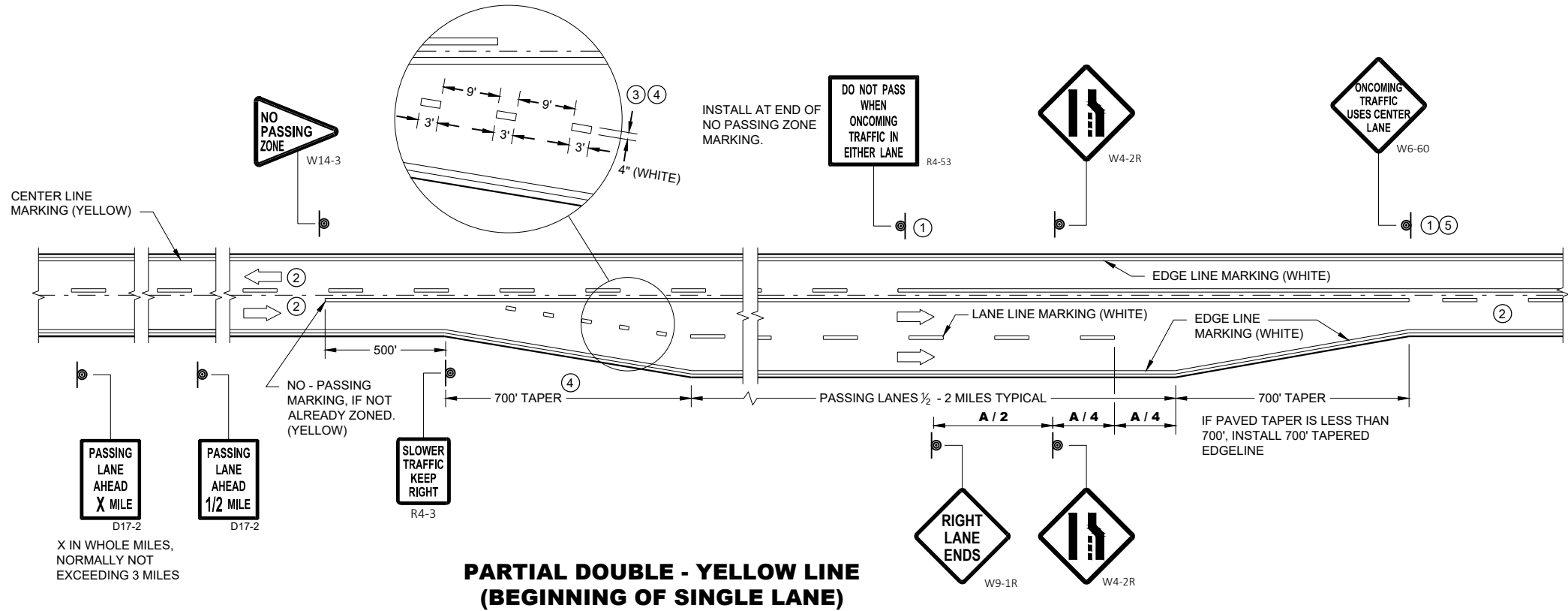
**GENERAL NOTES**

- 1 SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2 THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4 WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- 5 REPEAT EVERY 1 MILE UP UNTIL R4-53.

ARROW SYMBOL (  ) SHOWS DIRECTION OF TRAVEL

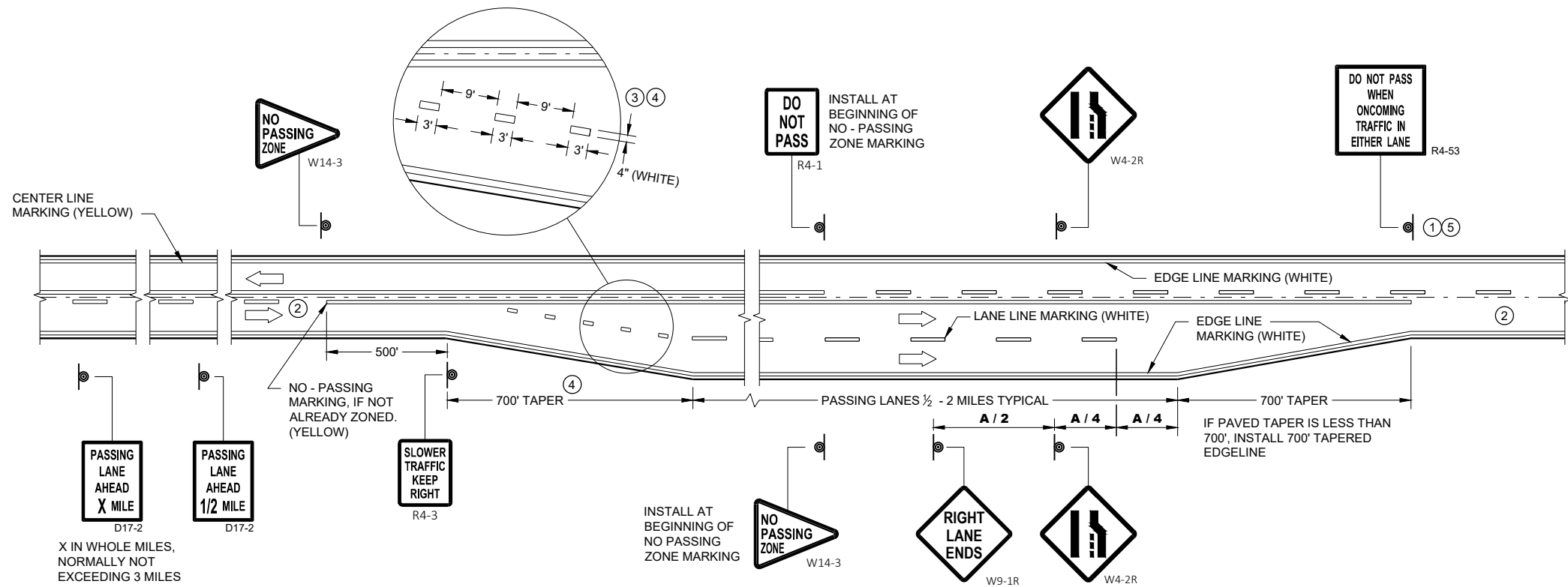
**DISTANCE TABLE**

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

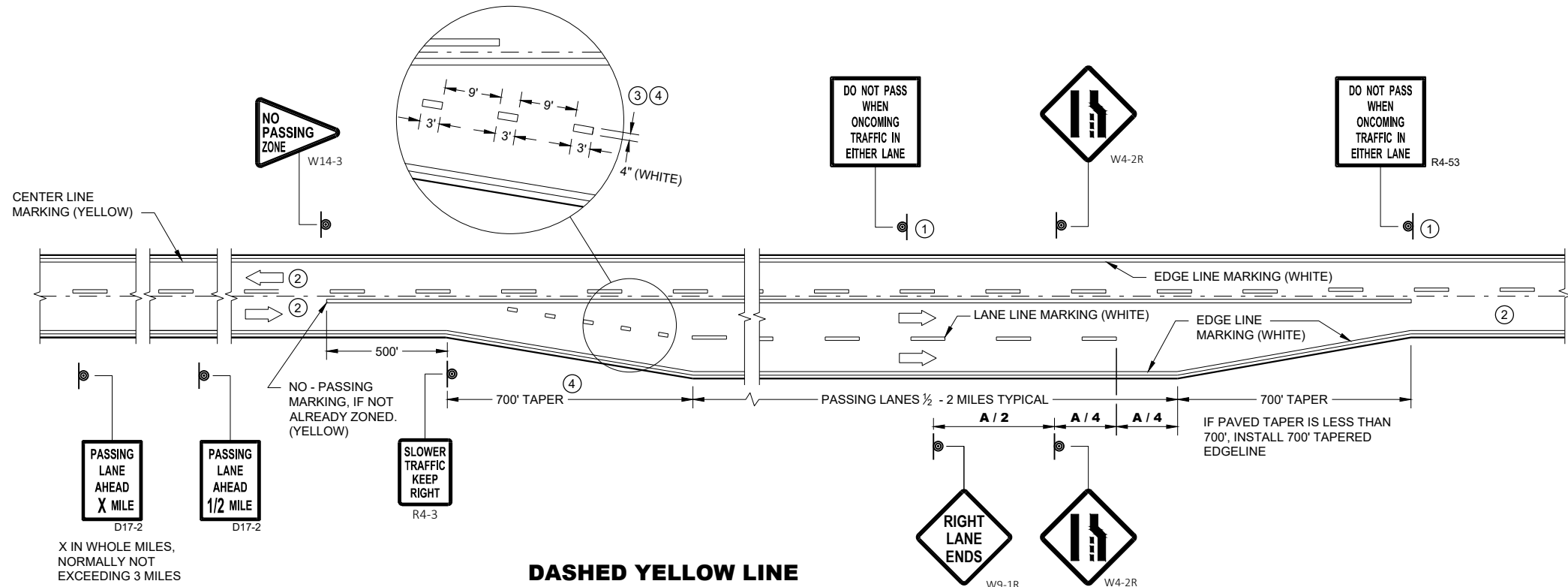


**PAVEMENT MARKING & SIGNING  
(CLIMBING LANE & PASSING LANE)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



**SOLID DOUBLE - YELLOW LINE  
(END OF SINGLE LANE)**



**DASHED YELLOW LINE  
(THROUGHOUT SINGLE LANE)**

**GENERAL NOTES**

- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- ⑤ REPEAT EVERY ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

**DISTANCE TABLE**

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

**PAVEMNET MARKING & SIGNING  
(CLIMBING LANE & PASSING LANE)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING ENGINEER  
FHWA

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

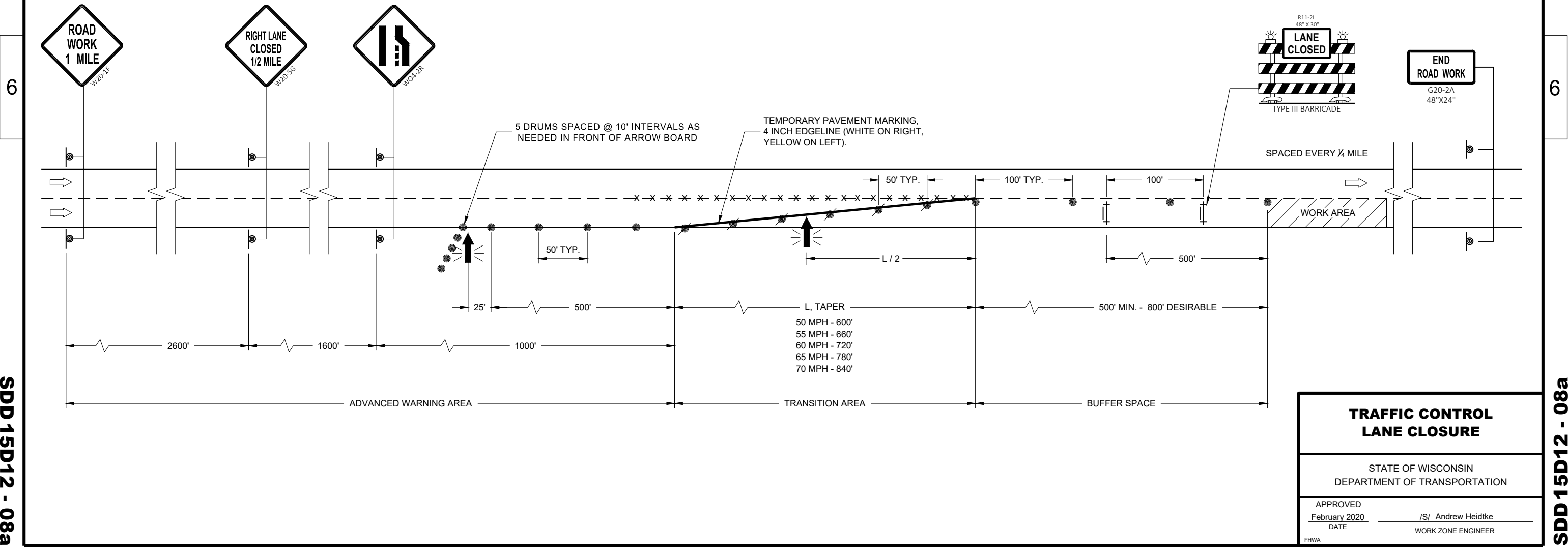
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS

NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.










CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

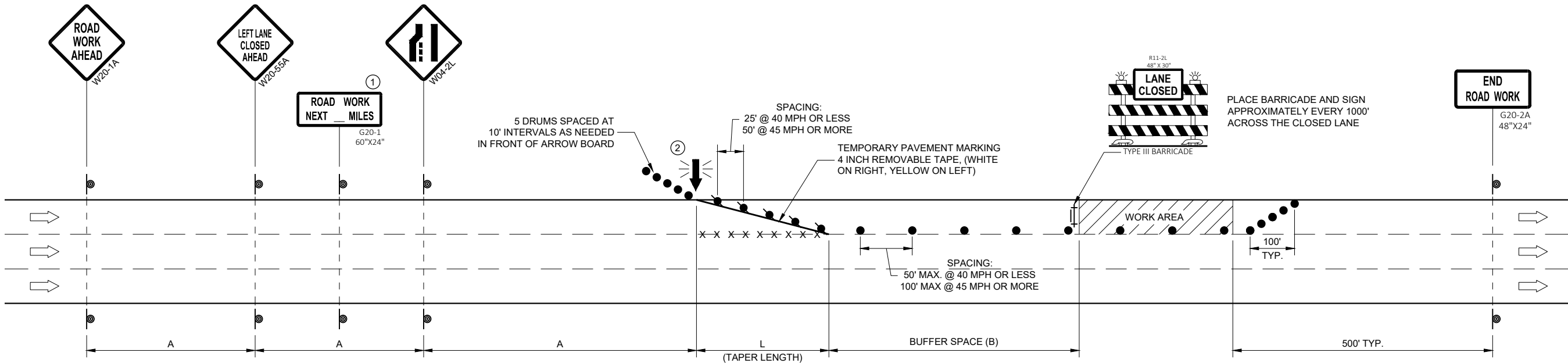
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.












POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2020 /S/ Andrew Heidtke  
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER  
FHWA

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

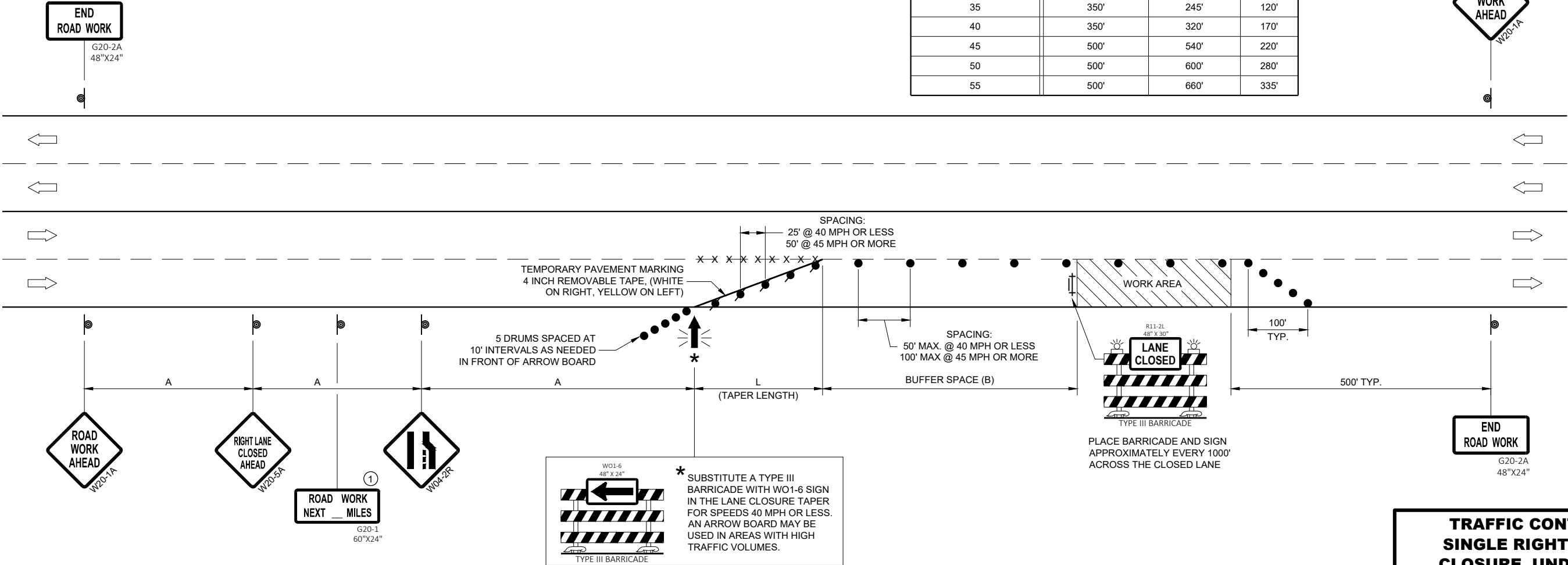
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.










POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.



<b>TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

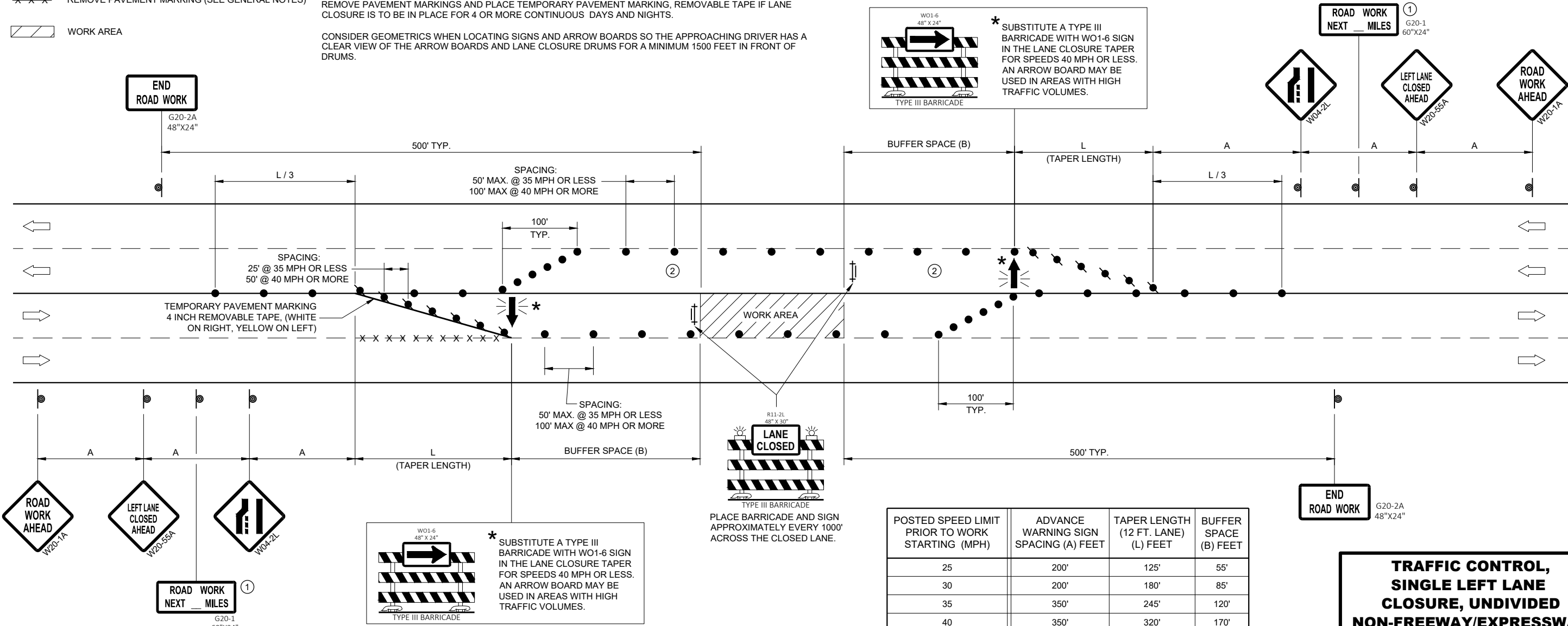
DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



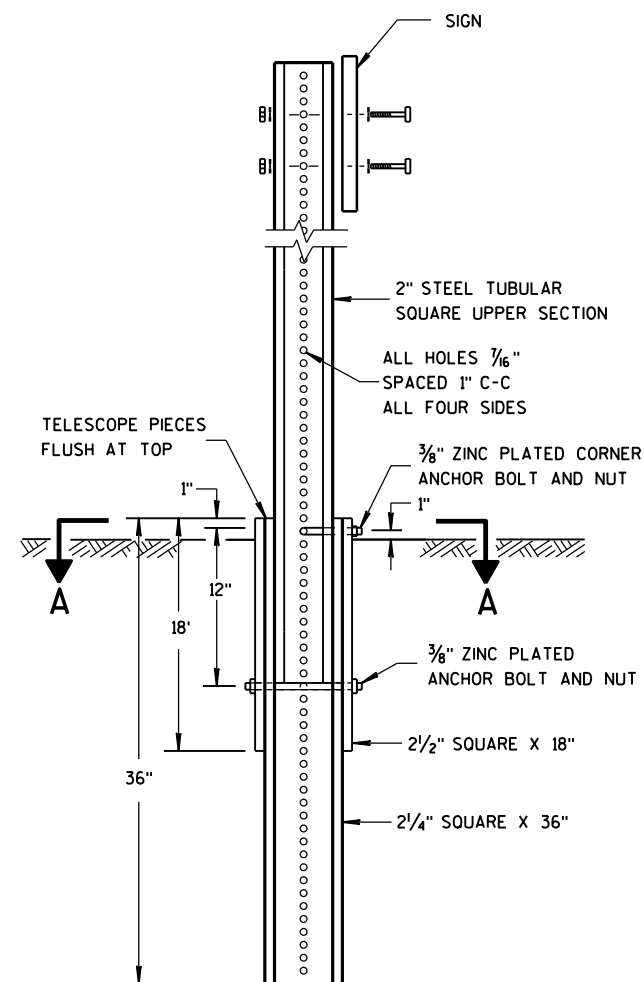
**TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2020  
DATE

/S/ Andrew Heidtke  
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

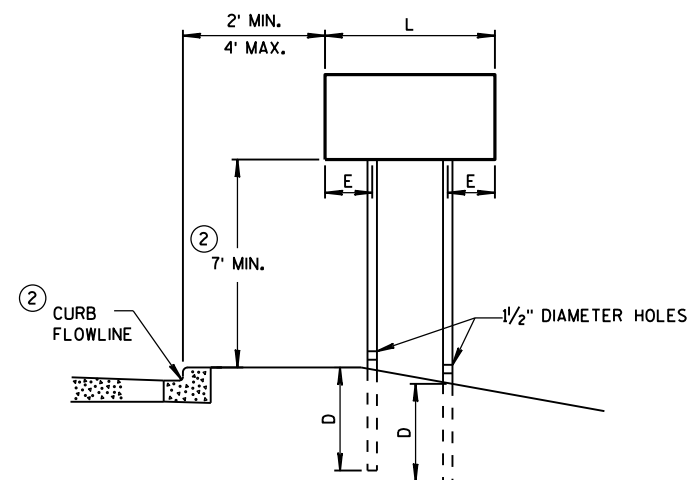
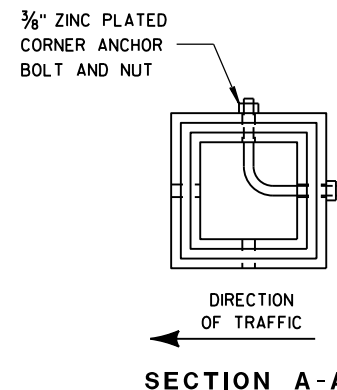


DETAIL OF TUBULAR  
STEEL SIGN POST

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

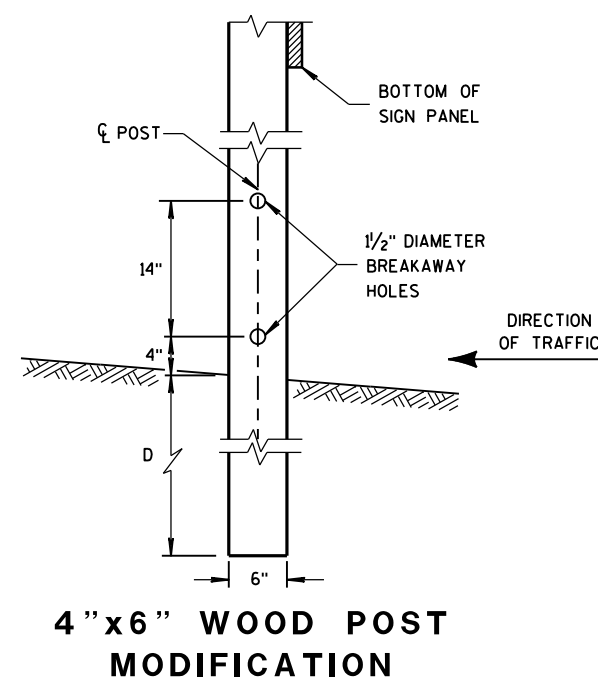
SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL  
BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).  
SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED  
ON TUBULAR STEEL POSTS.



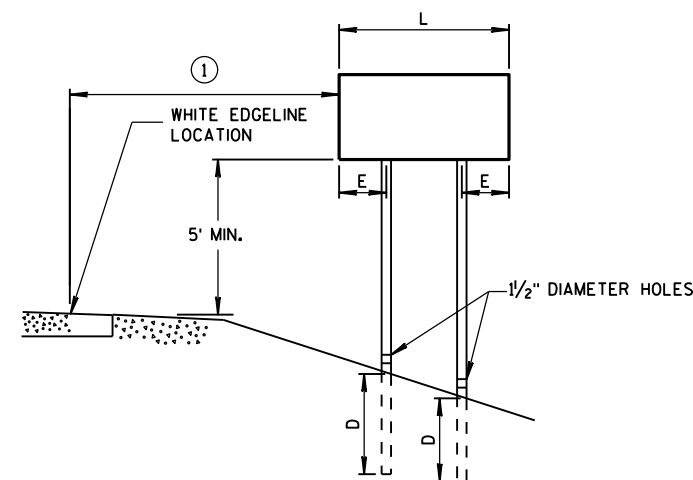
URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST EMBEDMENT DEPTH	
AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'



4 "x6 " WOOD POST  
MODIFICATION



RURAL AREA

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

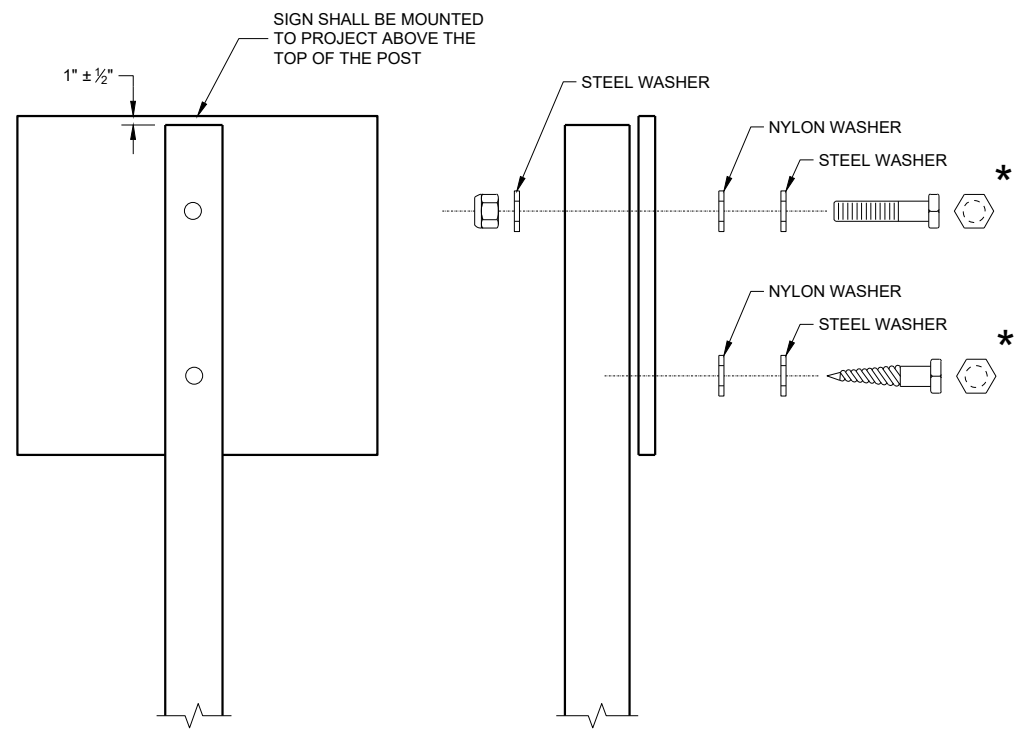
SEE NOTE ③

GENERAL NOTES

- ① 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- ② THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- ③ FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

TEMPORARY TRAFFIC CONTROL  
SIGN MOUNTING

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")  
LAG SCREWS - ¾" x 3"  
MACHINE BOLTS - ⅝" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")  
MACHINE BOLTS - ¾" x 3 ¼" LENGTH W/NUTS  
RIVETS - ⅝" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM  
BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH,  
GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -  
1 ¼" O.D. x ⅜" I.D. x ⅛" STEEL  
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

\* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

**ATTACHMENT OF SIGNS  
TO POSTS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
June 2017 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA



## Notes



## *Wisconsin Department of Transportation*

Dedicated people creating transportation solutions  
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>